2012
PROSPECTUS

PART 10

POSTGRADUATE STUDIES

TSHWANE UNIVERSITY OF TECHNOLOGY

PARTS OF THE PROSPECTUS

PLEASE NOTE

1. Although the information in this Prospectus has been compiled as accurately as possible, the Council accepts no responsibility for any inaccuracies in this publication. This Prospectus is valid for 2012 only.

2. Life Orientation and an achievement level of 1 in a subject is not considered in the calculation of the Admission Point Score (APS).

3. Prospective students will not be admitted to any qualification without prior evaluation.

4. The indicated non-refundable administration fee and certified copies of your identity document, Senior Certificate/National Senior Certificate and all other relevant documents must accompany the completed application form or online application.

5. The closing date for applications for admission to first-semester and year courses is 15 August of the preceding year, except for certain courses and International applicants of which the closing date is 15 June. The closing date for selected second-semester courses is 15 May of the year concerned.

Important:

TUT admission requirements for entry-level programmes adhere to national legislation and therefore the following are required:

• BEd degrees: at least four subjects at a performance level 4.

• National Diplomas: at least four subjects at performance level 3.

Please verify specific and additional requirements per programme as indicated in the prospectus.

ACCEPTANCE IS SUBJECT TO AVAILABLE CAPACITY ACCORDING TO THE STUDENT ENROLMENT PLAN (SEP)

Alternative and international qualifications (e.g. HIGSCE, IGCSE, NSSC A&O Level, IB Higher and Standard Level, etc) are dealt with in a specific manner:

• While there is a legal imperative to submit the certificate of equivalence (issued by SAQA or the CHE) it is recommended that the application process be initiated while the application for certificate is in process.

• The Tshwane University of Technology cannot obtain this certificate on your behalf.

CONVERSION OF ALTERNATIVE/EQUIVALENT RECOGNISED CERTIFICATES

The following provides a guideline on how the University will evaluate the various certificates that may be offered as equivalent to the National Senior Certificate (SA). Where possible, the University will evaluate the listed qualifications as indicated, however the University retains the right to refer any application to the formal application processes through Senate.

APS	NSC	NC-V	HIGCSE	IGCSE/GCSE/NSSC O-LEVEL		A-LEVEL	IB-HL	IB-SL	SAT
10						A	7		
9									
8						B	6		
7	7 (80 -100)	Outstanding Competent (80-100%)	1	A		C	5	7	80-100
6	6 (70 -79)	4-Highly Competent (70-79%)	2	B		D	4	6	70-79
5	5 (60-69)	3-Competent (60-69%)	3	C	A	E	3	5	60-69
4	4 (50-59)	3-Competent (50-59%)		D	B		2	4	50-59
3	3 (40-49)	Not yet Competent (40-49%)	4	E	C		1	3	40-49
2	2 (30-39)	Not achieved (0-39%)		F	D/E			2	30-39
1	1 (0-29)			G	F/G			1	0-29

NSC	National Senior Certificate
NC-V	National Certificate (Vocational)
IGCSE	International General Certificate of Secondary Education
HIGCSE	Higher International General Certificate of Secondary Education
SAT	Senior Academic Test/Senior Academic Proficiency Test
NSSC	Namibia Senior Secondary Certificate
O-LEVEL	Ordinary level
A-LEVEL	Advanced level
IB	International Baccalaureate Schools (higher and standard levels

RECOGNITION OF PRIOR LEARNING, STATUS AND EQUIVALENCE

Candidates may also apply for recognition of prior learning or for admission via the Senate's discretionary route at the Office of the Registrar. The specific relevant documentation will be requested from these applicants, and these cases will be handled on an individual basis (refer to details on these options in the section on RPL in Part 1 of the Prospectus).

ENQUIRIES

Contact Centre
Tel: 086 1102 421

Fax: 012 382 5701

Admission Enquiries
Tel: 012 382 5750

The Registrar
Private Bag X680
PRETORIA 0001
Tel: 012 382 5911

Fax: 012 382 5114

ARCADIA CAMPUS
Private Bag X680
PRETORIA 0001
Tel: 012 382 5911

175 Nelson Mandela Drive
PRETORIA
Fax: 012 382 5114

ARTS CAMPUS
Private Bag X680
PRETORIA 0001
Tel: 012 382 5911

Cnr. Du Toit and Edmund streets
PRETORIA
Fax: 012 382 5114

EMALAHLENI CAMPUS
The Campus Director
PO Box 3211
EMALAHLENI 1035
Tel: 013 653 3100

19 Swartbos Avenue
EMALAHLENI
Fax: 013 653 3101

GA-RANKUWA CAMPUS
Private Bag X680
PRETORIA 0001
Tel: 012 382 0500

2827, Zone 2, Botsi Street
GA-RANKUWA
Fax: 012 382 0814

MBOMBELA CAMPUS (NELSPRUIT CAMPUS)
The Campus Director
Private Bag X11312
MBOMBELA 1200
Tel: 013 745 3500/3603

Madiba Drive
MBOMBELA
Fax: 013 745 3512

POLOKWANE CAMPUS
The Campus Director
Private Bag X9496
POLOKWANE 0700
Tel: 015 287 0700

Cnr. Market and Excelsior streets
POLOKWANE
Fax: 015 297 7609

PRETORIA CAMPUS
Private Bag X680
PRETORIA 0001
Tel: 012 382 5911

Staatsartillerie Road
PRETORIA WEST
Fax: 012 382 5114

SOSHANGUVE CAMPUS
Private Bag X680
PRETORIA 0001
Tel: 012 382 9000

2 Aubrey Matlala Road, Block K
SOSHANGUVE
Fax: 012 382 0966

ENQUIRIES RELATING TO FEES:
The Chief Financial Officer
Private Bag X680
PRETORIA 0001
Tel: 086 1102 422

Fax: 012 382 5701

CONTENTS

1.   POST-DIPLOMA AND POSTGRADUATE STUDENTS

1.1   ONE-YEAR POST-DIPLOMA QUALIFICATIONS

Certain bachelor's degrees in technology with a minimum duration of one year, the Bachelor of Education (Honours) (BEd (Hons)), the Advanced Certificate in Education (ACE), the Post Graduate Certificate in Education (PGCE) and the Higher Diploma: Higher Education and Training are currently presented in a number of academic departments as post-diploma qualifications.

1.2   POSTGRADUATE STUDIES

It is the policy of Tshwane University of Technology to:
Ensure that effective and quality supervision at postgraduate level is provided by qualified supervisors.

The Tshwane University of Technology (TUT) offers the following master's and doctorate programmes:

-    Master's Degree in Technology (Magister Technologiae)
-    Master's Degree in Education (MEd)
-    Master's Degree in Business Administration (MBA)
-    Doctorate in Technology (Doctor Technologiae)
-    Doctorate in Education (DEd)

1.3   ADMISSION REQUIREMENTS

1.3.1   One-year post-diploma qualifications

A student will not be admitted to a one-year post-diploma qualification unless he or she is the holder of a suitable national diploma or an equivalent qualification in an applicable field.

1.3.2   Master's degrees

A student will not be admitted to enrol for a master's degree unless he or she is already in possession of a suitable bachelor's degree in technology or an equivalent qualification in a relevant study field.

1.3.3   Doctorates

A student will not be permitted to enrol for a doctorate unless he or she is already in possession of a master's degree or an equivalent qualification in a relevant study field.

Please note: Prospective students must consult the relevant section of the latest Prospectus, as well as the publication, Students' guidelines for postgraduate study.

1.4   DURATION OF QUALIFICATION

1.4.1   Unless explicitly stated otherwise, the minimum period of study for one-year post-diploma programmes, one-year B Tech programmes and BEd (Honours) programmes is one (1) academic year and the maximum is two (2) academic years, if offered to day-class students. The maximum period for distance education and evening-class students is three (3) years.

1.4.2   The period of study allowed for a master's degree is a minimum of one (1) and a maximum of three (3) academic years.

1.4.3   The period of study for a doctorate is a minimum of two (2) and a maximum of five (5) academic years.

1.4.4   The readmission of a student who has already been registered for the maximum number of years and who has not yet completed his or her studies will be permitted only after the Head of the Department has interviewed the student, and the dean has given written permission for further registration. After approval of extension, one third of the fixed class fees is payable annually by postgraduate students. The stipulations of **rules 1.5.5** and **1.5.6** (of this chapter) also apply.

1.5   APPLICATION FOR ADMISSION AND REGISTRATION

1.5.1   Admission to all programmes is subject to evaluation. No prospective student will be allowed to register for any programmes without prior evaluation.

1.5.2   Registration for post-diploma qualifications, with the exception of postgraduate qualifications, takes place simultaneously with registration for the four-year B Tech degrees, and national diplomas.

1.5.3   Prospective students for postgraduate studies must apply for admission to the relevant programmes and academic departments on the required application form before the official closing date. (Also see the publication: *Students' guidelines for postgraduate study.*)

1.5.4   Registration for a postgraduate degree takes place throughout the academic year.

1.5.5   All students must register for each academic term within the registration period, and must make the required initial payment.

1.5.6   Registration as a student is valid for one (1) academic year only. Should a student fail to register for the subsequent academic year, he or she has to apply for admission, register and pay the full amount required again.

1.5.7   An annual administration fee is payable in respect of each period of registration until the student has completed his or her programme.

1.5.8   It is a student's own responsibility to register each year. Only registered students may receive guidance from their supervisors.

1.6   THE GRANTING OF STATUS

1.6.1   DEFINITIONS

In this chapter, unless otherwise indicated -

"status" means the recognition granted to a person who registers for an accredited programme if the person is not the holder of the required admission qualification or an equivalent qualification, but is the holder of a qualification on the same NQF level of the prerequisite qualification, the person is thus required to supplement pre(foundational) knowledge by means of completing additional instructional offerings relevant to the field of specialisation or by means of recognition of prior learning (RPL) (**please note:** full status can be achieved through RPL);

"equivalent qualification" means a qualification completed at an accredited institution of higher education which is not identical to the set entry programme (e.g. BCom versus N Dip), but which is evaluated on the same NQF level, and of which the study content overlaps with at least 70% with that of the set entry qualification; and

"Accredited institution of higher education" means one of the following:

•   A South African public institution of higher education
•   A private provider of higher education, registered with the Registrar of Private Higher Education Institutions
•   An internationally accredited institution of higher education, accredited by its government as an institution of higher education

1.6.2   RULES

1.6.2.1   Diplomates and graduates from other recognised higher educational institutions who do not comply with the entry requirements for the relevant programmes, must obtain status equivalents to the prerequisite qualifications at TUT before being permitted to study at this institution.

1.6.2.2   Applications for status are approved by the Senate.

1.6.2.3   Applications for status must be made on the required form.

1.6.2.4   In cases where certain subjects are required for a master's degree, the student must first pass the subjects before he or she will be permitted to register a project, or where subjects are required or conditions have been set for approval of status, these subjects must be passed or the conditions be complied with prior to registration for the intended programme.

1.6.2.5   Equivalent qualifications that were obtained at accredited institutions of higher education, and which are not identical to the set entry qualification (e.g. BSc versus N Dip), but which are evaluated on the same NQF level, and of which the study content overlaps with at least 70% with that of the required entry qualification, are approved by the relevant Faculty Executive Committee.

1.6.2.6   RPL applications submitted for status should follow the RPL assessment route (see Chapter 30).

1.7   APPROVAL AND REGISTRATION OF A PROJECT

Please note: The relevant instructions and procedures are contained in the publication, Students' guidelines for postgraduate study, which is available on request.

1.7.1   For postgraduate degrees, prospective students must first apply to the academic department concerned for approval of the draft project proposal.

1.7.2   After the study panel of an academic department has accepted a provisional project, the student may register, keeping in mind the provisions of **rule 1.5.3** (of this chapter).

1.7.3   Registered students who have not yet passed the subject, Research Methodology, will have to complete it, in consultation with the Head of the Department.

1.7.4   The student must submit the research proposal to the head of the relevant academic department within six (6) months of the date of registration. His or her registration will be cancelled if he or she fails to do so.

1.8   DISSERTATION OR THESIS

1.8.1   When the student has progressed with the project to the satisfaction of his or her supervisor, he or she must present the research results at a colloquium, as arranged.

1.8.2   After the colloquium has been completed successfully, the final copy of the thesis or dissertation must be prepared. The dissertation or thesis must be typed and the layout must be the final version, which must comply with the set guidelines.

1.8.3   The editing and the technical standard of the dissertation are the responsibility of the student and must comply with the norms contained in the publication, *Guidelines for the preparation of dissertations and theses*.

1.8.4   The student must complete all corrections and improvements before preparing a sufficient number of soft-cover copies of the dissertation or thesis for assessment, which he or she must then submit to the supervisor.

Closing dates: 31 March for the September graduation ceremonies
31 October for the April graduation ceremonies

1.8.5   After assessment, the student must make the corrections as required by the supervisor and then prepare five (5) hard-cover copies. All the copies, accompanied by the declaration of completion of studies, one (1) electronic copy, and a draft scholarly article for publication in a peer-reviewed journal (master's) or copies of two (2) scholarly articles that have already been submitted for publication in a peer-reviewed journal (doctorate) must be handed in at Student Administration or the administrator of the faculty concerned.

1.8.6   These copies must be handed in before one of the following dates in order for the qualification to be conferred at the next graduation ceremony:

Before 31 July for the September graduation ceremonies
Before 28 February for the April graduation ceremonies

1.9   PASS REQUIREMENTS

1.9.1   A student will pass a subject that has been set for a one-year post-diploma or postgraduate programme by obtaining a pass mark, or a final mark of 50% or more for that subject, subject to the provisions of **rules 4.1.3** (as published in Part 1) and **1.9.2** (of this chapter), and by obtaining a final mark of 50% or more for a module with its own alphanumerical code, subject to the provisions of **rule 4.1.3** (as published in Part 1): Provided that he or she should obtain the required subminimum of 40% in the assessment, or according to faculty specifications for the MBA degree.

1.9.2   A student must obtain a subminimum mark of at least 40% in an assessment in order to pass, and if the assessment in a subject comprises two or more question papers, a subminimum mark of at least 40% must be obtained for each paper. A subminimum pass mark of 50% is required in the case of practical question papers and practical assessment. See faculty specifications (part 6 of the prospectus) for the MBA degree.

1.9.3   **Rules (as published in part 1) 4.1.12.3, 4.1.12.4, 4.1.12.5, 4.1.12.6, 4.1.12.7, 4.1.12.9, 4.1.12.11, 4.1.12.12, 4.3, 4.4, 4.5, 4.6, 4.7.3, 4.7.4, 4.7.5, 4.7.7, 4.8, 4.9, 4.10, 4.12, 4.13 and 9.1** apply mutatis mutandis.

1.9.4   A student will pass a subject with distinction by obtaining a final mark of at least 75% in that subject. This implies that each separate module should also have been passed with a mark of at least 75% (see **rule 9.4** as published in Part 1).

1.9.5   Students must obtain a pass mark in a research report, dissertation or thesis.

Please note: The format of a dissertation or thesis must be according to the guidelines, the language must be edited, and it must be compiled and produced in accordance with the guidelines contained in the publication, *Guidelines for the preparation of dissertations and theses*.

1.9.6   See **rule 4.1.12** (as published in Part 1).

1.10   REQUIREMENTS FOR GRADUATION

1.10.1   RESEARCH BASED MASTER'S DEGREES

In order to be awarded a research based master's degree, a student has to comply with the following requirements:

-    A colloquium.
-    A draft of at least one (1) scholarly article, ready for submission for publication in a peer. reviewed journal, preferably accredited (to be handed in with the final dissertation).
-    A dissertation to be assessed by two (2) external assessors.

1.10.2   STRUCTURED MASTER'S DEGREES

In order for a student to pass the mini-dissertation, it has to be examined by two external assessors.

1.10.3 DOCTORATES

In order to be awarded a doctorate degree, a student has to comply with the following requirements:

- A colloquium.
- Copies of at least two (2) scholarly articles that have already been submitted for publication in an accredited or peer reviewed journal (proof that the journal has received these must be handed in with the copies of the final version or legal deposit copy of the thesis). (**Please Note:** Faculties may add own requirements but these must be submitted to Senate for approval. All requirements must be clearly stated in the Prospectus of each Faculty).
- A thesis to be assessed by two (2) external assessors.
- A successful defence of the thesis.

1.11 CESSION OF COPYRIGHT AND PUBLICATION OF DISSERTATION OR THESIS

The copyright on a dissertation or thesis that is submitted to TUT in fulfilment or partial fulfilment of the requirements for a master's degree or doctorate shall vest in the University, irrespective of whether such dissertation or thesis is accepted or not.

(a) The copyright should therefore be ceded. On registration, it is pointed out to the student that, on signing the form (PGS010), the entire copyright is ceded to TUT, unless if, in exceptional circumstances, exemption from cession of copyright is applied for and granted. Fully substantiated reasons must be submitted with applications for exemption.

If a dissertation or thesis is not accepted, the student may apply to the University for the ceding of copyright back to him or her.

(b) No dissertation or thesis or any part thereof, including any summary of the dissertation or any part thereof, shall be printed or published without the permission of the Registrar. Such permission may be granted, subject to –

- reference being made in the published work to it having been submitted to TUT in the form of a dissertation or thesis;
- one or more copies of the published work being handed in at the University; and
- such changes being effected as may be recommended by the supervisor, examiners or others, and such other conditions being met as the University may deem fit from time to time.

If permission is granted to a student to publish his or her dissertation or thesis, the publication of the work must be carried out in consultation with his or her supervisor.

Please note: Exemption from the application of **rule 1.10** (of this chapter) will be granted in exceptional circumstances only.

1.12 RIGHT TO APPEAL

1.12.1 Postgraduate candidates who are not satisfied with the outcome of the final marks for their research reports, dissertations or theses, may submit written appeals to the executive dean of the faculty concerned.

1.12.2 The dean and relevant head of the department will decide on the merit of an additional assessment option. Where an additional assessment is introduced, no further assessments will be conducted after the calculation of a new fixed mark.

SECTION A: DEPARTMENTS AND QUALIFICATIONS

1. FACULTY OF ECONOMICS AND FINANCE

1.1 DEPARTMENT OF AUDITING

1.1.1 MAGISTER TECHNOLOGIAE: INTERNAL AUDITING
Qualification code: MTIA95

Campus where offered: Ga-Rankuwa Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Internal Auditing or an equivalent qualification, with a 60% pass mark for Internal Auditing IV. A student should preferably have passed Research Methodology before registration, and if not, should definitely pass that subject before their dissertation will be accepted.

b. *Selection criteria:*
A structured interview with the supervisor.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IAU500T	Dissertation: Internal Auditing	(1,000)
IAU500R	Dissertation: Internal Auditing (re-registration)	(0,000)

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

1.1.2 DOCTOR TECHNOLOGIAE: INTERNAL AUDITING
Qualification code: DTIA96

Campus where offered: Ga-Rankuwa Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Internal Auditing or an equivalent qualification.

b. *Selection criteria:*
A structured interview with a supervisor.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation and campus:*
Research

e. *Subject credits:*
   Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IAU700T	Thesis: Internal Auditing	(2,000)
IAU700R	Thesis: Internal Auditing (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

1.2   DEPARTMENT OF ECONOMICS

1.2.1   MAGISTER TECHNOLOGIAE: COMPARATIVE LOCAL DEVELOPMENT (Structured)
Qualification code: MTCVS0

Campus where offered: Pretoria Campus (Metro Skinner Street)

THIS QUALIFICATION IS PRESENTED UNDER THE AUSPICES OF THE INSTITUTE FOR ECONOMIC RESEARCH ON INNOVATION (IERI).

REMARKS

a. *Admission requirement(s):*
   Applicants should –
   - be in possession of any four-year university degree in Economics, Law, Political Science, Sociology or an equivalent qualification;
   - be fluent in English and computer literate;
   - present a project work proposal; and
   - demonstrate congruence of experience and motives with the nature of the programme.

b. *Selection criteria:*
   Admission is subject to selection. Priority will be given to candidates who are employed.

c. *Duration:*
   A minimum of two years and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
   Block-based classes

   (**Please note:** The sequence in which subjects are presented may be altered due to various reasons and due to the international character of the programme. The responsibility for specific subjects may be allocated to different partners in the international Joint African Masters Programme (JAMP) consortium.)

e. *Research Project:*
   The evaluation of the Research Project constitutes 25% of the total evaluation of the qualification. Participants will be presenting and defending the results in an open discussion.

f. *Subject credits:*
   Subject credits are shown in brackets after each subject.

Key to asterisks
* Attendance of both the pre-programme and the introductory course is compulsory, although they do not carry any credits. The purpose of the pre-programme is to introduce students to the programme and course supervisors, and to arrange course logistics. The aim of the introductory course is to provide solid baseline knowledge in the three core disciplines of economics, law and sociology.
** In cases where a student lacks proficiency in the English language the course, Introduction to English has to be attended.

SUBJECTS ARE OFFERED AS DETERMINED BY THE DEPARTMENT.

ATTENDANCE

FIRST SEMESTER

CODE	SUBJECT	CREDIT
EAL501T	Economic Approaches to Local Development	(0,075)
LAL501T	Legal Approaches to Local Development	(0,075)
RAM501T	Pre-programme*	(0,000)
SAL501T	Socio-political Approaches to Local Development	(0,075)
TRO501T	Introductory Course*	(0,000)
TTE501T	Introduction to English**	(0,000)
TOTAL CREDITS FOR THE SEMESTER:		0,225

SECOND SEMESTER

DEP501T	Local Development and Entrepreneurship Policies	(0,075)
MVS501T	Management of Diversities in Societies	(0,075)
RIG501T	Regional Integration and Multilevel Governance	(0,075)
TOTAL CREDITS FOR THE SEMESTER:		0,225

THIRD SEMESTER

FLD501T	Financial Aspects of Local Development	(0,075)
IER501T	Internship	(0,075)
PJG521T	Project Management	(0,075)
SLV501T	Sustainable Local Development	(0,075)
TOTAL CREDITS FOR THE SEMESTER:		0,300

FOURTH SEMESTER

CLD501T	Research Project	(0,250)
CLD501R	Research Project (re-registration)	(0,000)
TOTAL CREDITS FOR THE SEMESTER:		0,250
TOTAL CREDITS FOR THE QUALIFICATION:		**1,000**

1.3   DEPARTMENT OF MANAGERIAL ACCOUNTING AND FINANCE

1.3.1   MAGISTER TECHNOLOGIAE: COST AND MANAGEMENT ACCOUNTING
Qualification code: MTCM95

Campus where offered: Ga-Rankuwa Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Cost and Management Accounting or an equivalent qualification and an interview with the supervisor. A student should preferably have passed Research Methodology before registration, and if not, should definitely pass that subject before their dissertation will be accepted.

b.   *Selection criteria:*
All applications are subject to selection.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research

e.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CMA500T	Dissertation: Cost and Management Accounting	(1,000)
CMA500R	Dissertation: Cost and Management Accounting (re-registration)	(0,000)

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

1.3.2   DOCTOR TECHNOLOGIAE: COST AND MANAGEMENT ACCOUNTING
Qualification code: DTCM95

Campus where offered: Ga-Rankuwa Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Cost and Management Accounting or an equivalent qualification and an interview with the supervisor.

b.   *Selection criteria:*
All applications are subject to selection.

c.   *Duration:*
A minimum of two years and a maximum of five years.

d.   *Presentation:*
Research

e.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CMA700T	Thesis: Cost and Management Accounting (2,000)	
CMA700R	Thesis: Cost and Management Accounting (0,000) (re-registration)	

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2. FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT
(Please see Part 3 of the Prospectus for generic requirements for all qualifications offered by this faculty)

2.1 DEPARTMENT OF ARCHITECTURE

2.1.1 MAGISTER TECHNOLOGIAE: ARCHITECTURE: PROFESSIONAL (Structured)
Qualification code: MTPSS0

Campus where offered:	Pretoria Campus

Purpose of the qualification:
To provide the student with the skills, knowledge and understanding necessary to follow a career as a competent Professional Architect.

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Architecture: Professional or an NQF Level 7 bachelor's/honours (Professional) degree in Architecture obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of three years.

d. *Presentation:*
Day and block-based classes.

e. *Intake for the qualification:*
January and July

f. *Accreditation by professional body:*
This qualification has been accredited by the South African Council for the Architecture Profession (SACAP).

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

FIRST YEAR

Subjects must be taken in combinations and in the sequence indicated. The following rules will apply to the first year:
* CHH500T and NSY500T must be taken concurrently.
** CSM500T and KME500T must be taken concurrently.
*** ACH500T and THD500T must be taken concurrently.

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ACH500T	Architectural Design V***	(0,150)	
AHC500T	Architectural Practice V	(0,040)	
ARA500T	Advanced Computer Applications V	(0,020)	
BMN500T	Business Management V	(0,040)	
CHH500T	Computer Hardware V*	(0,010)	
CSM500T	Construction Materials V**	(0,040)	
KME500T	Construction Methods V**	(0,040)	
NSY500T	Network Systems V*	(0,020)	
THD500T	Theory of Design V***	(0,040)	

TOTAL CREDITS FOR THE FIRST YEAR: **0,400**

SECOND YEAR

Subjects must be taken in the combinations and in the sequence indicated. The following rules will apply to the second year:
*   CDO500T and SFN500T must be taken concurrently.
**   RMD500T must precede ATG510T.

ATG510T	Research Report: Architecture: Professional V	(0,500)	Architectural Design IV
ATG510R	Research Report: Architecture: Professional V (re-registration)	(0,000)	
CDO500T	Contract Documentation V*	(0,060)	
CDO500R	Contract Documentation V* (re-registration)	(0,000)	
RMD500D	Research Methodology**	(0,020)	
SFN500T	Specification V*	(0,020)	
SFN500R	Specification V (re-registration)*	(0,000)	

TOTAL CREDITS FOR THE SECOND YEAR: **0,600**

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

2.1.2 MAGISTER TECHNOLOGIAE: ARCHITECTURAL TECHNOLOGY
(Field of specialisation: Technology)
(Structured)
Qualification code: MTAD96

Campus where offered:	Pretoria Campus

Purpose of the qualification:
To provide the student who wishes to specialise in the technological aspects of architecture with the skills, knowledge and understanding necessary to follow a career as a competent Architectural Technologist.

REMARKS

a.   *Admission requirement(s):*
     A Baccalaureus Technologiae: Architectural Technology or an NQF Level 7 bachelor's or honours degree in Architecture obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Duration:*
    A minimum of one year and a maximum of three years.

c. *Presentation:*
    Day and block-based classes

d. *Intake for the qualification:*
    January and July

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

SUBJECTS PRINTED IN BOLD ARE NOT FOR REGISTRATION PURPOSES.

YEAR SUBJECTS

Subjects must be taken in the combinations and in the sequence indicated. ATG50PT must precede ATG50QT and the following rule will apply to the qualification:
*   ARM50PT and ARM50QT must be taken concurrently.

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ARM500T	**Architectural Management V**		
ARM50PT	Architectural Management: Construction Methods V*	(0,200)	Construction and Detailing: Construction Methods IV
ARM50QT	Architectural Management: Construction Materials V*	(0,200)	Construction and Detailing: Construction Materials IV
ATG500T	**Research Report: Architectural Technology: Technology V**		
ATG50PT	Research Report: Architectural Technology: Technology: Research Methodology V	(0,100)	
ATG50PR	Research Report: Architectural Technology: Technology: Research Methodology V (re-registration)	(0,000)	
ATG50QT	Research Report: Architectural Technology: Technology: Technology V	(0,500)	
ATG50QR	Research Report: Architectural Technology: Technology: Technology V (re-registration)	(0,000)	

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

2.2   DEPARTMENT OF BUILDING SCIENCES

2.2.1   MAGISTER TECHNOLOGIAE: CONSTRUCTION MANAGEMENT
Qualification code: MTCUS0/MTCU95

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalareus Technologiae: Construction Management or an NQF Level 7 qualification from an accredited South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research or day classes (for structured option only). The structured option will only be offered if there are sufficient students.

e.   *Intake for the qualification:*
January and July

f.   *Dissertation:*
This instructional programme comprises a research project with a dissertation. In the dissertation, the candidates should prove that they understand a particular problem in the industry in which they have completed research, are able to analyse it and set it out logically to arrive at logical conclusions or a diagnosis, and to make proposals for solutions to the problem or for the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.

g.   *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE

ONE OF THE FOLLOWING OPTIONS:

OPTION 1: STRUCTURED (MTCUS0)

CODE	SUBJECT	CREDIT
CEC500T	Construction Economics V	(0,100)
CMN520T	Construction Management V	(0,200)
CRU500T	Research Report: Construction Management V	(0,500)
CRU500R	Research Report: Construction Management V (re-registration)	(0,000)

CRU501R	Research Report: Construction Management V (re-registration)	(0,000)
DLM500T	Development Management V	(0,100)
RMD110H	Research Methodology	(0,100)

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

OPTION 2: RESEARCH (MTCU95)

CMN510T	Dissertation: Construction Management	(1,000)
CMN510R	Dissertation: Construction Management (re-registration)	(0,000)
CMN511R	Dissertation: Construction Management (re-registration)	(0,000)

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

2.2.2 MAGISTER TECHNOLOGIAE: QUANTITY SURVEYING
Qualification code: MTQSS0/MTQS95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalareus Technologiae: Quantity Surveying or an NQF Level 7 qualification from an accredited South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research or day classes (for structured option only). The structured option will only be offered if there are sufficient students.

e. *Intake for the qualification:*
January and July

f. *Dissertation:*
This programme comprises a research project with a dissertation. In the dissertation, the candidates should prove that they understand a particular problem in the industry in which they have done research, are able to analyse it and set it out logically to arrive at logical conclusions or a diagnosis, and to make proposals for solutions to the problem or for the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

ONE OF THE FOLLOWING OPTIONS:

OPTION 1: STRUCTURED (MTQSS0)

CODE	SUBJECT	CREDIT
CEC500T	Construction Economics V	(0,100)
DLM500T	Development Management V	(0,100)
QSU510T	Quantity Surveying V	(0,200)
QSV500T	Research Report: Quantity Surveying V	(0,500)
QSV500R	Research Report: Quantity Surveying V (re-registration)	(0,000)
QSV501R	Research Report: Quantity Surveying V (re-registration)	(0,000)
RMD110H	Research Methodology	(0,100)

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

OPTION 2: RESEARCH (MTQS95)

QSU500T	Dissertation: Quantity Surveying	(1,000)
QSU500R	Dissertation: Quantity Surveying (re-registration)	(0,000)
QSU501R	Dissertation: Quantity Surveying (re-registration)	(0,000)

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

2.3   DEPARTMENT OF CHEMICAL AND METALLURGICAL ENGINEERING

2.3.1   MAGISTER TECHNOLOGIAE: ENGINEERING: CHEMICAL
Qualification code: MTCE95

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Chemical or an NQF Level 7 qualification in Chemical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
     Research

e.   *Intake for the qualification:*
     January and July

f.   *Structure:*
     The qualification consists of a research project that must be recorded in the form of a dissertation.

g.   *Re-registration:*
     Students must re-register for this qualification every year.

h.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ECH500T	Dissertation: Engineering: Chemical	(1,000)
ECH500R	Dissertation: Engineering: Chemical (re-registration)	(0,000)
ECH501R	Dissertation: Engineering: Chemical (re-registration)	(0,000)

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

2.3.2   DOCTOR TECHNOLOGIAE: ENGINEERING: CHEMICAL
Qualification code: DTCE96

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
     A Magister Technologiae: Engineering: Chemical or an NQF Level 8 qualification in Chemical Engineering (or a related field) obtained from a South African university.

     Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b.   *Selection criteria:*
     All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
     A minimum of two years and a maximum of five years.

d.   *Presentation:*
     Research

e.   *Intake for the qualification:*
     January and July

f.   *Structure:*
     The qualification consists of a research project that must be recorded in the form of a thesis.

h. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ECH700T	Thesis: Engineering: Chemical	(2,000)
ECH700R	Thesis: Engineering: Chemical (re-registration)	(0,000)
ECH701R	Thesis: Engineering: Chemical (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.3.3 MAGISTER TECHNOLOGIAE: ENGINEERING: METALLURGY
Qualification code: MTMY96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Metallurgy or an NQF Level 7 qualification in Metallurgical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Structure:*
The qualification consists of a research project that must be recorded in the form of a dissertation.

g. *Re-registration:*
Students must re-register for this qualification every year.

h. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MEY500T	Dissertation: Engineering: Metallurgy	(1,000)
MEY500R	Dissertation: Engineering: Metallurgy (re-registration)	(0,000)
MEY501R	Dissertation: Engineering: Metallurgy (re-registration)	(0,000)

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

2.3.4 DOCTOR TECHNOLOGIAE: ENGINEERING: METALLURGY
Qualification code: DTMY96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Engineering: Metallurgy or an NQF Level 8 qualification in Metallurgical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Structure:*
The qualification consists of a research project that must be recorded in the form of a thesis.

g. *Re-registration:*
Students must re-register for this qualification every year.

h. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MEY700T	Thesis: Engineering: Metallurgy	(2,000)
MEY700R	Thesis: Engineering: Metallurgy (re-registration)	(0,000)
MEY701R	Thesis: Engineering: Metallurgy (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.4 DEPARTMENT OF CIVIL ENGINEERING

2.4.1 MAGISTER TECHNOLOGIAE: ENGINEERING: CIVIL
Qualification code: MTCI95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Civil or an NQF Level 7 qualification in Civil Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Content:*
This programme comprises a research project with a dissertation, subject to the candidate having already passed Research Methodology. In the dissertation, the candidates should prove that they understand a particular problem in the industry to which their research applies and are able to analyse it, set it out logically, arrive at logical conclusions or a diagnosis and make proposals for improvements or the elimination of the problem. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.

g. *Other requirement(s):*
Candidates who apply for admission to this qualification must provide the Head of the Department with a protocol (research proposal) for discussion.

h. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CVE500T	Dissertation: Engineering: Civil	(1,000)
CVE500R	Dissertation: Engineering: Civil (re-registration)	(0,000)
CVE501R	Dissertation: Engineering: Civil (re-registration)	(0,000)

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

2.4.2 DOCTOR TECHNOLOGIAE: ENGINEERING: CIVIL
Qualification code: DTCI96

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Engineering: Civil or an NQF Level 8 qualification in Civil Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Content:*
This programme comprises an advanced research project with a thesis. The thesis should provide proof of the students' original creative thinking and problem-solving abilities, and prove that they can make a real contribution in solving a particular problem in the industry to which the research applies. The dissertation should comply with the usual general technical requirements and rules regarding scope, quality and layout.

g. *Other requirement(s):*
Candidates who apply for admission to this qualification must provide the Head of the Department with a protocol (research proposal) for discussion.

CODE	SUBJECT	CREDIT
CVE700T	Thesis: Engineering: Civil	(2,000)
CVE700R	Thesis: Engineering: Civil (re-registration)	(0,000)
CVE701R	Thesis: Engineering: Civil (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.5 DEPARTMENT OF ELECTRICAL ENGINEERING

2.5.1 MAGISTER TECHNOLOGIAE: ENGINEERING: ELECTRICAL (Structured)
Qualification code: MTEES0

| Campus where offered: | Pretoria Campus |

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least one of the following subjects: Signal Processing IV, and/or Control Systems IV, or an NQF Level 7 qualification in Electrical Engineering (or a related field) with an aggregate of 60% for the final year of study obtained from an accredited South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Recommended subject(s):*
Software Engineering IV and at least two specialisation subjects.

c. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

d. *Minimum duration:*
A minimum of one year and a maximum of three years.

e. *Presentation:*
Block-based classes

f. *Intake for the qualification:*
January and July

g. *Subject groups (fields of specialisation):*
Students will be given a choice of one of the following subject groups:

- Control and image Processing
- Power Engineering
- Telecommunication Technology

h. *Subject credits:*
Subject credits are shown in brackets after each subject.

i. *Articulation to MSc qualifications:*
Articulation to the MSc programme offered in partnership with ESIEE (France) and Managed by F'SATIE at the Tshwane University of Technology may be done. Please contact the Head of the Department for further details.

Key to asterisks:
* Information does not correspond to information in Report 151.
(Deviations approved by the Senate in March 2009.)

SUBJECT GROUP 1: CONTROL AND IMAGE PROCESSING

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
CSY501T	Control Systems V	(0,100)
EAN501T	Engineering Analysis V	(0,100)
MII501T	Machine Intelligence V	(0,100)
RCS500T	Research Report: Engineering: Electrical: Control Systems V (year subject)	(0,500)
RCS500R	Research Report: Engineering: Electrical: Control Systems V (re-registration)	(0,000)
RCS501R	Research Report: Engineering: Electrical: Control Systems V (re-registration)	(0,000)
RMD501C	Research Methodology	(0,050)
SII501T	Scientific Computing V	(0,050)

plus one of the following subjects:

CODE	SUBJECT	CREDIT
EDD501T	Embedded Systems V	(0,100)
IAS501T	Image Analysis Systems V	(0,100)
RTS501T	Real-Time Systems V	(0,100)
SEI501T	Special Topics I*	(0,100)

TOTAL CREDITS FOR SUBJECT GROUP 1:   **1,000**

SUBJECT GROUP 2: POWER ENGINEERING

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
CVS501T	Conversion Systems V	(0,100)
EAN501T	Engineering Analysis V	(0,100)
PWS501T	Power Systems V	(0,100)
RMD501C	Research Methodology	(0,050)
RPN500T	Research Report: Engineering: Electrical: Power Engineering V (year subject)	(0,500)
RPN500R	Research Report: Engineering: Electrical: Power Engineering V (re-registration)	(0,000)
RPN501R	Research Report: Engineering: Electrical: Power Engineering V (re-registration)	(0,000)
SII501T	Scientific Computing V	(0,050)

plus one of the following subjects:

CODE	SUBJECT	CREDIT
CSY501T	Control Systems V	(0,100)
EEM501T	Electrical Machines and Drives V	(0,100)
EGS501T	Energy Systems and Technology V	(0,100)
PWN501T	Power Analysis V	(0,100)
SEI501T	Special Topics I*	(0,100)

TOTAL CREDITS FOR SUBJECT GROUP 2:   **1,000**

SUBJECT GROUP 3: TELECOMMUNICATION TECHNOLOGY

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
DCO501T	Digital Communications V	(0,100)
EAN501T	Engineering Analysis V	(0,100)
RET500T	Research Report: Engineering: Electrical: Telecommunication Technology V (year subject)	(0,500)
RET500R	Research Report: Engineering: Electrical: Telecommunication Technology V (re-registration)	(0,000)
RET501R	Research Report: Engineering: Electrical: Telecommunication Technology V (re-registration)	(0,000)
RMD501C	Research Methodology	(0,050)
SII501T	Scientific Computing V	(0,050)
TMM501T	Telecommunications V	(0,100)

plus one of the following subjects:

EDD501T	Embedded Systems V	(0,100)
HFS501T	High-Frequency Systems V	(0,100)
RTS501T	Real-Time Systems V	(0,100)
SEI501T	Special Topics I*	(0,100)

TOTAL CREDITS FOR SUBJECT GROUP 3: **1,000**

2.5.2   MAGISTER TECHNOLOGIAE: ENGINEERING: ELECTRICAL
Qualification code: MTEE95

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Electrical or an NQF Level 7 qualification in Electrical Engineering (or related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research

e. *Dissertation:*
A student who applies for the Magister Technologiae: Engineering: Electrical has to submit a dissertation with a limited scope on an approved subject.

Research will be done in the following niche areas in Electrical Engineering:
- Clinical Engineering
- Control Engineering
- Electronics
- Power Engineering
- Telecommunication Engineering

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DEE500T	Dissertation: Engineering: Electrical	(1,000)
DEE500R	Dissertation: Engineering: Electrical (re-registration)	(0,000)
DEE501R	Dissertation: Engineering: Electrical (re-registration)	(0,000)

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

2.5.3 DOCTOR TECHNOLOGIAE: ENGINEERING: ELECTRICAL
Qualification code: DTEE96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A MagisterTechnologiae: Engineering: Electrical or an NQF Level 8 qualification in Electrical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f.   *Thesis:*
The Doctorate in Technology: Engineering: Electrical will be conferred on the basis of a thesis on an approved topic.

Research will be done in the following niche areas in Electrical Engineering:
- Clinical Engineering
- Control Engineering
- Electronics
- Power Engineering
- Telecommunication Engineering

g.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DEE700T	Thesis: Engineering: Electrical	(2,000)
DEE700R	Thesis: Engineering: Electrical (re-registration)	(0,000)
DEE701R	Thesis: Engineering: Electrical (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.5.4   MSc (ELECTRONIC ENGINEERING)
Qualification code: PGEE04

Campus where offered: Pretoria Campus

REMARKS
Please note: This qualification is offered in partnership with the ESIEE (France) and is managed by F'SATIE at the Tshwane University of Technology. The degree is conferred by the ESIEE (France). The rules of the ESIEE thus apply to this qualification. Students are required to accumulate 90 ECTS (European Credit Transfer System) credits. Thirty ECTS credits are awarded for a research Magister Technologiae: Engineering: Electrical, which the student has to complete before the MSc can be conferred.

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least two of the following subjects: Signal Processing IV, Control Systems IV, Digital Control Systems IV and Digital Signal Processing IV, or an NQF Level 7 qualification in Electrical Engineering (or a related field) with an aggregate of 60% for the final year of study obtained from an accredited South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty of Engineering and the Built Environment reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b.   *Recommended subject(s):*
Software Engineering IV and at least two specialisation subjects.

c.   *Selection criteria:*
Prospective students may be requested to pass an admission test. Admission depends on available space.

d.   *Minimum duration:*
     Two years

e.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT	ECTS CREDIT
ESI5001	Digital Communication V	(7,5)
ESI5002	Digital Electronics V	(7,5)
ESI5003	Digital Control V	(7,5)
ESI5004	Embedded Systems V	(7,5)
ESI5005	High-Frequency Systems V	(7,5)
ESI5006	Management V	(7,5)
ESI5007	French Language Skills	not applicable
ESI5008	Telecommunication Networks V	(7,5)
ESI5009	RF Design V	(7,5)
ESI5010	Advanced Control Systems V	(7,5)
ESI5011	Advanced Embedded Systems V	(7,5)
ESI5012	Image Analysis V	(7,5)
ESI5013	Machine Intelligence V	(7,5)
ESI5014	Real-Time Signal Processing V	(7,5)
ESI5021	Signal Theory V	(7,5)
ESI5022	Software Engineering V	(7,5)
ESI5023	Special Topics I	(7,5)
ESI5024	Special Topics II	(7,5)
ESI5025	Special Topics III	(7,5)
ESI5026	Scientific Computing V	(7,5)

2.5.5   MSc (POWER ENGINEERING)
Qualification code: PGPW07

Campus where offered: Pretoria Campus

REMARKS
Please note: This qualification is offered in partnership with the ESIEE (France) and is managed by F'SATIE at the Tshwane University of Technology. The degree is conferred by the ESIEE (France). The rules of the ESIEE thus apply to this qualification. Students are required to accumulate 90 ECTS (European Credit Transfer System) credits. Thirty ECTS credits are awarded for a research Magister Technologiae: Engineering: Electrical, which the student has to complete before the MSc can be conferred.

a.   *Admission requirement(s):*
     A Baccalaureus Technologiae: Engineering: Electrical with an aggregate of 60% for the final year of study with Engineering Mathematics IV and at least two of the following subjects: Signal Processing IV, Control Systems IV, Digital Control Systems IV and Digital Signal Processing IV, or an NQF Level 7 qualification in Electrical Engineering (or a related field) with an aggregate of 60% for the final year of study obtained from an accredited South African university.

     Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty of Engineering and the Built Environment reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b. *Recommended subject(s):*
Software Engineering IV and at least two specialisation subjects.

c. *Selection criteria:*
Prospective students may be requested to pass an admission test. Admission depends on available space.

d. *Minimum duration:*
Two years

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE		

CODE	SUBJECT	ECTS CREDIT
ESI5003	Digital Control V	(7,5)
ESI5004	Embedded Systems V	(7,5)
ESI5006	Management V	(7,5)
ESI5007	French Language Skills	not applicable
ESI5021	Signal Theory V	(7,5)
ESI5023	Special Topics I	(7,5)
ESI5024	Special Topics II	(7,5)
ESI5025	Special Topics III	(7,5)
ESI5026	Scientific Computing V	(7,5)
ESI5027	Conversion Systems V	(7,5)

2.6 DEPARTMENT OF INDUSTRIAL ENGINEERING

2.6.1 MAGISTER TECHNOLOGIAE: ENGINEERING: INDUSTRIAL
(Field of specialisation: Technology Management)
(Structured)
Qualification code: MTEIS0

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering or an NQF Level 7 qualification in Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission, at least six months before actual enrolment, to the Department or Registrar to obtain the required approval by Senate. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of eighteen months and a maximum of three years.

d. *Presentation:*
    Block-based classes

e. *Intake for the qualification:*
    January and July

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT	CREDIT
RRT500T	Research Report: Technology Management V (year subject)	(0,500)
RRT500R	Research Report: Technology Management V (re-registration)	(0,000)
RRT501R	Research Report: Technology Management V (re-registration)	(0,000)

FIRST SEMESTER

EBU501T	Engineering Business Dynamics V	(0,100)
EDY501T	Engineering Data Analysis V	(0,100)

SECOND SEMESTER

LCY501T	Life Cycle Management V	(0,100)
TVC501T	Technology Venture Creation V	(0,100)

plus one of the following subjects (subjects are offered in both semesters):

BNL501T	Business Law V	(0,100)
SPP501T	Supply Chain Management V	(0,100)
IPM501T	Intellectual Property Management V	(0,100)
SUV501T	Sustainability Development V	(0,100)

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

2.6.2 MAGISTER TECHNOLOGIAE: ENGINEERING: INDUSTRIAL
Qualification code: MTEI95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Engineering: Industrial or an NQF Level 7 qualification in Industrial Engineering (or a related field) obtained from a South African university.

    Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

    Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
     All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
     A minimum of one year and a maximum of three years.

d.   *Presentation:*
     Research

e.   *Intake for the qualification:*
     January and July

f.   *Dissertation:*
     In the dissertation, the candidates must prove that they understand a particular problem in the industry in which they have done research, are able to analyse and set it out logically, arrive at logical conclusions or a diagnosis, and are then able to make proposals for the solution or the elimination of the problem. The dissertation must comply with the usual general technical requirements and rules regarding scope, quality and layout. The chosen research theme must be based on one or more prerequisite Level IV subjects.

g.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
INU530T	Dissertation: Engineering: Industrial	(1,000)
INU530R	Dissertation: Engineering: Industrial (re-registration)	(0,000)
INU531R	Dissertation: Engineering: Industrial (re-registration)	(0,000)

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

2.6.3   DOCTOR TECHNOLOGIAE: ENGINEERING: INDUSTRIAL
Qualification code: DTEI96

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
     A MagisterTechnologiae: Engineering: Industrial or an NQF Level 8 qualification in Industrial Engineering (or a related field) obtained from a South African university.

     Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b.   *Selection criteria:*
     All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
     A minimum of two years and a maximum of five years.

d.   *Presentation:*
     Research

e. *Intake for the qualification:*
January and July

f. *Thesis:*
An advanced research project with a thesis. In the thesis, candidates must give proof of original and creative thinking and problem-solving. They must also be able to make a real contribution to the solving of a particular problem in the industry to which their research applies. The thesis must comply with the usual technical requirements and rules regarding scope, quality and layout.

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
INU700T	Thesis: Engineering: Industrial	(2,000)
INU700R	Thesis: Engineering: Industrial (re-registration)	(0,000)
INU701R	Thesis: Engineering: Industrial (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.7   DEPARTMENT OF MECHANICAL ENGINEERING

2.7.1   MAGISTER TECHNOLOGIAE: ENGINEERING: MECHANICAL
Qualification code: MTME95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Engineering: Mechanical or an NQF Level 7 qualification in Mechanical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MCC510T	Dissertation: Engineering: Mechanical	(1,000)
MCC510R	Dissertation: Engineering: Mechanical (re-registration)	(0,000)
MCC511R	Dissertation: Engineering: Mechanical (re-registration)	(0,000)

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

2.7.2 DOCTOR TECHNOLOGIAE: ENGINEERING: MECHANICAL
Qualification code: DTME96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Engineering: Mechanical or an NQF Level 8 qualification in Mechanical Engineering (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MCC710T	Thesis: Engineering: Mechanical	(2,000)
MCC710R	Thesis: Engineering: Mechanical (re-registration)	(0,000)
MCC711R	Thesis: Engineering: Mechanical (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

2.7.3 MAGISTER TECHNOLOGIAE: POLYMER TECHNOLOGY
Qualification code: MTPY01

Campus where offered:	Pretoria Campus

Purpose of the qualification:

The purpose of this degree is to train polymer technologists to be versatile enough to fit in the industries (if they want to make their careers in the cooperate world) and to build high-level technological capacity to train the youth if, at the end of their studies, they pursue careers in the academic or research, development and innovation environments.

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Polymer Technology or an NQF Level 7 qualification in Polymer or Plastics Technology or Sciences (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research.

e.   *Intake for the qualification:*
January and July

f.   *Content:*
This programme comprises a research project with a dissertation, provided the student passes Research Methodology first. In the dissertation, the candidates must prove that they understand a particular problem in the industry in which they have done research and are able to analyse it, set it out logically, arrive at logical conclusions or a diagnosis, and make proposals for the solution or elimination of the problem. The dissertation should comply with the usual general technical requirements and rules relating to scope, quality and layout.

g.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
POY500T	Dissertation: Polymer Technology	(1,000)
POY500R	Dissertation: Polymer Technology (re-registration)	(0,000)
POY501R	Dissertation: Polymer Technology (re-registration)	(0,000)

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

2.7.4 DOCTOR TECHNOLOGIAE: POLYMER TECHNOLOGY
Qualification code: DTPY01

Campus where offered:	Pretoria Campus

Purpose of the qualification:

The purpose of this degree is to train polymer technologists to be versatile enough to fit in the industries (if they want to make their careers in the cooperate world) and to build high-level technological capacity to train the youth if, at the end of their studies, they pursue careers in the academic or research, development and innovation environments.

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Polymer Technology or an NQF Level 8 qualification in Polymer or Plastics Technology or Sciences (or a related field) obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered. Foreign students will be required to submit an evaluation by the South African Qualifications Authority (SAQA) of their qualifications with their application forms for admission. The Faculty reserves the right to assess these qualifications and the applicant's suitability for admission to the programme.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
All applications are subject to selection and may include a personal interview with a departmental selection panel.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Intake for the qualification:*
January and July

f. *Content:*
This programme comprises an advanced research project with a thesis. In the thesis, the candidates must provide proof of original, creative thinking and problem-solving skills, and prove that they can make a real contribution to the solution of a particular problem in the industry to which the research applies. The thesis should comply with the usual general technical requirements and rules relating to scope, quality and layout.

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
POY700T	Thesis: Polymer Technology	(2,000)
POY700R	Thesis: Polymer Technology (re-registration)	(0,000)
POY701R	Thesis: Polymer Technology (re-registration)	(0,000)
	TOTAL CREDITS FOR THE QUALIFICATION:	**2,000**

3. FACULTY OF HUMANITIES

3.1 DEPARTMENT OF APPLIED LANGUAGES

3.1.1 MAGISTER TECHNOLOGIAE: LANGUAGE PRACTICE
(Field of specialisation: Computer-Assisted Language Teaching)
(Structured)
Qualification code: MTLPS0

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Language Practice, BA (Hons) (Languages), or an equivalent qualification. Candidates should preferably have passed Research Methodology before registration, and if not, should definitely pass the subject before their Research Report will be accepted.

b. *Selection criteria:*
Departmental selection is required prior to registration. Additional requirements may be set to obtain the required status. Preliminary examinations may be set.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Block-based classes. Subjects are offered at the location (Soshanguve North or Pretoria campuses) as determined by the Head of the Department.

A candidate for the Magister Technologiae: Language Practice also has to submit a research report on a language-related topic approved by the Faculty Board on recommendation of the Head of the Department. The method of instruction will be determined by the Head of the Department.

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
EAS500T	Evaluation and Application of CALT Programmes V	(0,250)
PCN500T	Planning and Production of CALT Programmes V	(0,250)
TPK501B	Research Report: Language Practice V	(0,500)
TPK501R	Research Report: Language Practice V (re-registration)	(0,000)
	TOTAL CREDITS FOR THE QUALIFICATION:	**1,000**

3.1.2 MAGISTER TECHNOLOGIAE: LANGUAGE PRACTICE
Qualification code: MTLP96

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Language Practice, BA (Hons) (Languages), or an equivalent qualification. Candidates should preferably have passed Research Methodology before registration, and if not, should definitely pass the subject before their Dissertation will be accepted.

b. *Selection criteria:*
Departmental selection is required prior to registration. Additional requirements may be set to obtain the required status. Preliminary examinations may be set.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

A candidate for the Magister Technologiae: Language Practice has to submit a dissertation on a language-related topic approved by the Faculty Board on recommendation of the Head of the Department. More information may be obtained from the Head of the Department.

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
TPK500T	Dissertation: Language Practice	(1,000)
TPK500R	Dissertation: Language Practice (re-registration)	(0,000)

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

3.1.3 DOCTOR TECHNOLOGIAE: LANGUAGE PRACTICE
Qualification code: DTLP96

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Language Practice, a Magister Technologiae (Languages) or an equivalent qualification.

b. *Selection criteria:*
Departmental selection is required prior to registration. Additional requirements may be set to obtain the required status. Preliminary examinations may be set.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Thesis:*
The Doctor Technologiae: Language Practice will be conferred on the basis of a thesis on a language-related topic approved by the Faculty Board on recommendation of the Head of the Department.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
TPK700T	Thesis: Language Practice	(2,000)
TPK700R	Thesis: Language Practice (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.2   DEPARTMENT OF EDUCATIONAL STUDIES

3.2.1   MASTERS IN EDUCATION
Qualification code: MEED05

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Bachelor of Education (Hons) or an equivalent qualification, which should have been passed with an average of 60% to be considered for selection.

Each candidate has to submit the following to the Department before 30 September of the applicable year:
• An updated curriculum vitae, including all contact details
• A typed motivation for wishing to study for the Masters in Education
• A short description of the research topic
• An academic record that includes the marks obtained in the BEd (Hons) examination

In addition, students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Postgraduate Workshops will be available and students must attend.

b. *Selection criteria:*
Candidates who are selected on the strength of their written motivations will be invited for interviews. Candidates who succeed in their interviews will be informed during October to register.

c. *Applications:*
Prospective students who wish to enrol for the Masters in Education should submit the required documentation before the end of September of the year preceding their studies.

Any prospective student, who has not completed their previous qualification at TUT, should submit an application form to Student Administration in order to obtain a student number.

Prospective students should understand that neither an average of 60%, nor the submission of the portfolio, automatically gives them admission to the Masters in Education If a prospective student's portfolio is accepted, they will be invited to an interview. During this interview, a final decision will be taken about his or her admission.

d. *Duration:*
A minimum of one year and a maximum of three years.

e. *Presentation:*
Research

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EDU530T	Dissertation: Education	(1,000)
EDU530R	Dissertation: Education (re-registration)	(0,000)

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

3.2.2 MASTERS IN EDUCATION: EDUCATIONAL TECHNOLOGY
Qualification code: MEEY05

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Bachelor of Education (Hons) or an equivalent qualification, which should have been passed with an average of 60% for the honours degree to be considered for selection;
or
an M+4 qualification, which should have been passed with a programme average of 60% to be considered for selection, plus an additional professional education qualification of at least 120 credits;
or
a Bachelor of Education with an average of 60% or more. A portfolio of evidence should be submitted and an interview will be conducted.

Each candidate has to submit the following to the Department before 30 September:
• An updated curriculum vitae, including all contact details
• A typed motivation for wishing to study for the Masters in Education: Educational Technology
• A short description of the research topic
• An academic record that includes the marks obtained in the BEd (Hons) examination

In addition, students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Postgraduate Workshops will be available and students must attend.

b. *Selection criteria:*
Candidates who are selected on the strength of their written motivations will be invited for interviews during October. Candidates who succeed in their interviews will be informed in November to register.

c. *Applications:*
Prospective students who wish to enrol for the Masters in Education: Educational Technology should submit the required documentation before the end of September of the year preceding their studies.

Prospective students should understand that a final decision about their admission will only be made during the interview.

d. *Other requirement(s):*
Prospective students who wish to register for this programme should have access to the Internet, since interaction, mainly online, between facilitators and students will be encouraged.

e. *Duration:*
A minimum of two years and a maximum of three years.

f. *Presentation:*
Research

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
OMY500T	Dissertation: Education	(1,000)
OMY500R	Dissertation: Education (re-registration)	(0,000)

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

3.2.3 DOCTORATE IN EDUCATION
Qualification code: DEED05

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Masters in Education or an equivalent qualification.

b. *Selection criteria:*
Each candidate has to submit the following to the Department:
• An updated curriculum vitae, including all contact details
• A typed motivation for wishing to study for the Doctorate in Education
• A short description of the research topic
• An academic record that includes the marks obtained for the Masters in Education

After submitting these documents, prospective students will be requested to prepare a proposal based on a study theme to be provided by the Department of Educational Studies. Candidates will be invited for an interview in January, during which they also have to present their proposals to the Departmental Research and Innovation Committee and supervisors.

Candidates will be informed of the outcome of their application within a week.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EDU700T	Thesis: Education	(2,000)
EDU700R	Thesis: Education (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.3 DEPARTMENT OF JOURNSLISM

3.3.1 MAGISTER TECHNOLOGIAE: JOURNALISM
Qualification code: MTJR96

Campus where offered:	Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A National Higher Diploma: Journalism, or a Baccalaureus Technologiae: Journalism, or another appropriate equivalent qualification, as well as proven media experience. In the case of an equivalent qualification, candidates should possess adequate professional knowledge and skills for admission to the qualification. Students should also apply for the granting of status.

In addition students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year, and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
JOU500T	Dissertation: Journalism	(1,000)
JOU500R	Dissertation: Journalism (re-registration)	(0,000)

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

3.3.2 DOCTOR TECHNOLOGIAE: JOURNALISM
Qualification code: DTJR96

Campus where offered:	Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Journalism or an equivalent qualification and proven media experience.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years, and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
JOU700T	Thesis: Journalism	(2,000)
JOU700R	Thesis: Journalism (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.4 DEPARTMENT OF MATHEMATICS, SCIENCE AND TECHNOLOGY EDUCATION

3.4.1 MASTERS IN EDUCATION
Qualification code: MEED05

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Bachelor of Education (Hons) or an equivalent qualification, which should have been passed with an average of 60% to be considered for selection.

Each candidate has to submit the following to the Department before 30 September of the applicable year:
• An updated curriculum vitae, including all contact details
• A typed motivation for wishing to study for the Masters in Education
• A short description of the research topic
• An academic record that includes the marks obtained in the BEd (Hons) examination

In addition, students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification. Postgraduate Workshops will be available and students must attend.

b. *Selection criteria:*
Candidates who are selected on the strength of their written motivations will be invited for interviews. Candidates who succeed in their interviews will be informed during October to register.

c. *Applications:*
Prospective students who wish to enrol for the Masters in Education should submit the required documentation before the end of September of the year preceding their studies.

Any prospective student, who has not completed their previous qualification at TUT, should submit an application form to Student Administration in order to obtain a student number.

Prospective students should understand that neither an average of 60%, nor the submission of the portfolio, automatically gives them admission to the Masters in Education. If a prospective student's portfolio is accepted, they will be invited to an interview. During this interview, a final decision will be taken about his or her admission.

d. *Duration:*
A minimum of one year and a maximum of three years.

e. *Presentation:*
Research

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EDU540T	Dissertation: Education	(1,000)
EDU540R	Dissertation: Education (re-registration)	(0,000)

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

3.4.2 DOCTORATE IN EDUCATION
Qualification code: DEED05

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Masters in Education or an equivalent qualification.

b. *Selection criteria:*
Each candidate has to submit the following to the Department:
• An updated curriculum vitae, including all contact details
• A typed motivation for wishing to study for the Doctorate in Education
• A short description of the research topic
• An academic record that includes the marks obtained for the Masters in Education

After submitting these documents, prospective students will be requested to prepare a proposal based on a study theme to be provided by the Department of Educational Studies. Candidates will be invited for an interview in January, during which they also have to present their proposals to the Departmental Research and Innovation Committee and supervisors.

Candidates will be informed of the outcome of their application within a week.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EDU710T	Thesis: Education	(2,000)
EDU710R	Thesis: Education (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.5 DEPARTMENT OF PUBLIC MANAGEMENT

3.5.1 MAGISTER TECHNOLOGIAE: PUBLIC MANAGEMENT
(Structured)
Qualification code: MTPAS2/MTLGS0

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Baccalaureus Technologiae or honours degree with a management component, subject to the student being employed in the public sector and having relevant public sector work experience. Students have to pass Research Methodology before they will be admitted to study for the Magister Technologiae: Public Management.

b. *Selection criteria:*
Admission is subject to a structured interview with a selection committee. The candidate will be evaluated on the following criteria:
• Previous academic achievement
• Reasons for continuing with studies
• Record of conduct
• Research topic proposal
• Work experience

c. *Presentation:*
Block-based classes

d. *Minimum duration:*
A minimum of two years, and a maximum of three years.

e. *Subjects:*
- The six subjects are presented in a block format during the first 18 months.
- Teaching methods are a combination of lectures, case studies, group work, project work and independent research. Sustained participation is required throughout the programme.
- The second part of the Magister Technologiae comprises the research report, which carries a weight of 50% of the degree. Tutors will guide students for the duration of the qualification on how to plan, research and draw up their dissertations. The dissertations may cover any approved research topic. Students may choose topics that are directly related to their own professional responsibilities.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE

OPTION 1: LOCAL GOVERNMENT (MTLGS0)

CODE	SUBJECT	CREDIT
RML500T	Research Methods in Local Government V	(0,100)

FIRST OR SECOND SEMESTER

ALG501T	Advanced Local Government Management V	(0,080)
LGM501T	Research Report: Local Government V	(0,500)
LGM501R	Research Report: Local Government V (re-registration)	(0,000)

plus four of the following subjects:

CIL501T	Contemporary Approaches and Issues in Local Government V	(0,080)
FMF501T	Financial Management for the Public Sector V	(0,080)
IFU501T	Information Studies for the Public Sector V	(0,080)
ODV501T	Organisation Development for the Public Sector V	(0,080)
PLY501T	Policy Studies for the Public Sector V	(0,080)
POJ501T	Project Management for the Public Sector V	(0,080)
RES501T	Human Resource Management for the Public Sector V	(0,080)

TOTAL CREDITS FOR THIS OPTION:	**1,000**

OPTION 2: PUBLIC SERVICE (MTPAS2)

RMI500T	Research Methods in Public Management V	(0,100)

FIRST OR SECOND SEMESTER

APU501T	Advanced Public Management V	(0,080)
PUN501T	Research Report: Public Management V	(0,500)
PUN501R	Research Report: Public Management V (re-registration)	(0,000)

plus four of the following subjects:

CIA501T	Contemporary Issues and Approaches in Public Management V	(0,080)
FMF501T	Financial Management for the Public Sector V	(0,080)
IFU501T	Information Studies for the Public Sector V	(0,080)
ODV501T	Organisation Development for the Public Sector V	(0,080)
PLY501T	Policy Studies for the Public Sector V	(0,080)
POJ501T	Project Management for the Public Sector V	(0,080)
RES501T	Human Resource Management for the Public Sector V	(0,080)

TOTAL CREDITS FOR THIS OPTION:	**1,000**

3.5.2 MAGISTER TECHNOLOGIAE: PUBLIC MANAGEMENT
Qualification code: MTPA96

Campus where offered:	Soshanguve South campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Public Management or an equivalent qualification. Students have to pass Research Methodology before they will be admitted to study for the Magister Technologiae: Public Management.

b. *Selection criteria:*
    Admission is subject to a structured interview with a selection committee. The candidate will
    be evaluated on the following criteria:
    •   Previous academic achievement
    •   Reasons for continuing with studies
    •   Record of conduct
    •   Research topic proposal
    •   Work experience

c. *Duration:*
    A minimum of one year, and a maximum of three years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PMG500T	Dissertation: Public Management	(1,000)
PMG500R	Dissertation: Public Management (re-registration)	(0,000)

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

3.5.3 DOCTOR TECHNOLOGIAE: PUBLIC MANAGEMENT
Qualification code: DTPA96

Campus where offered: Soshanguve South campus

REMARKS

a. *Admission requirement(s):*
    A Magister Technologiae: Public Management or an equivalent qualification.

b. *Selection criteria:*
    Admission is subject to selection.

c. *Duration:*
    A minimum of two years, and a maximum of five years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PMG700T	Thesis: Public Management	(2,000)
PMG700R	Thesis: Public Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.6 DEPARTMENT OF PUBLIC RELATIONS AND BUSINESS COMMUNICATION

3.6.1 MAGISTER TECHNOLOGIAE: PUBLIC RELATIONS MANAGEMENT
Qualification code: MTPR95

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Public Relations Management, or a BA Honours degree in Communication Science, or a relevant equivalent qualification with five years of suitable experience.

In addition, students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

b. *Selection criteria:*
All prospective students are subject to selection. Selection is based on a written test and an interview. General knowledge, language proficiency and critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PRS500T	Dissertation: Public Relations Management	(1,000)
PRS500R	Dissertation: Public Relations Management (re-registration)	(0,000)

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

3.6.2 DOCTOR TECHNOLOGIAE: PUBLIC RELATIONS MANAGEMENT
Qualification code: DTPR96

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Public Relations Management, or a Magister Technologiae in Communication Science with five years of relevant experience, or a relevant equivalent qualification.

b. *Selection criteria:*
All prospective students are subject to evaluation. Evaluation is based on a written test and an interview. General knowledge, language proficiency and a critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PRS700T	Thesis: Public Relations Management	(2,000)
PRS700R	Thesis: Public Relations Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.6.3 MAGISTER TECHNOLOGIAE: STRATEGIC COMMUNICATION
Qualification code: MTSE06

Campus where offered: Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Business Communication, or a Baccalaureus Technologiae: International Communication, or a relevant equivalent qualification with five years of relevant experience.

In addition, students should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

b. *Selection criteria:*
All prospective students are subject to selection. Selection is based on a written test and an interview. General knowledge, language proficiency and critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
SAG500T	Dissertation: Strategic Communication	(1,000)
SAG500R	Dissertation: Strategic Communication (re-registration)	(0,000)

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

DOCTOR TECHNOLOGIAE: STRATEGIC COMMUNICATION
Qualification code: DTSE06

Campus where offered:	Soshanguve North Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Strategic Communication or a Magister Technologiae: Communication Science or a relevant equivalent qualification.

b. *Selection criteria:*
All prospective students have to present themselves for evaluation. Selection is based on a written test and an interview. General knowledge, language proficiency and critical disposition are of the utmost importance in the communication industry. These aspects will consequently feature prominently in the evaluation process. Factors such as academic and practical performance, personal drive and motivation, attitude and outlook, potential, readiness to benefit from advanced training, and career suitability will be taken into consideration.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
SAG700T	Thesis: Strategic Communication	(2,000)
SAG700R	Thesis: Strategic Communication (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

3.7 DEPARTMENT OF SAFETY AND SECURITY MANAGEMENT

3.7.1 MAGISTER TECHNOLOGIAE: POLICING
(Structured)
Qualification code: MTPOST

Campus where offered:	Soshanguve South Campus and Distance Education service points

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Policing or an equivalent qualification. In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

b. *Selection criteria:*
Admission is subject to selection.

c.   *Duration:*
-   A minimum of two years and a maximum of three years. The six subjects are presented during the first 18 months in evening or block-based classes (2 x 2 weeks during the first and second parts of the year).
-   Teaching methods are based on a combination of lectures, case studies, group work, project work and independent research. Sustained participation is required throughout the programme.
-   The second part of the Magister Technologiae (the last six months) comprises the dissertation (Research Report: Policing V), which carries a weight of 50% of the degree.

d.   *Presentation:*
Soshanguve South Campus (evening or block-based classes) and Distance education with limited contact classes per subject per semester, at the Cape Town or Durban service points.

e.   *Subject credits:*
Subject credits are shown in brackets after each subject.

• **THE SUBJECT CODES OF THE DISTANCE EDUCATION SUBJECTS DIFFER FROM THE CODES INDICATED BELOW. PLEASE CONSULT THE DISTANCE EDUCATION PROSPECTUS FOR THESE CODES.**
• **SUBJECTS ARE OFFERED AS DETERMINE BY THE HEAD OF THE DEPARTMENT.**

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
APB501T	Advanced Police Management V	(0,080)	
PLG501T	Research Report: Policing V	(0,500)	
PLG501R	Research Report: Policing V (re-registration)	(0,000)	
RMP200T	Research Methods in Policing II (year subject)	(0,100)	Research Methodology A Research Methodology B
	plus four of the following subjects:		
ACG501T	Advanced Crime Investigation V	(0,080)	Investigation of Crime IVA Investigation of Crime IVB
CPV511T	Advanced Pro-Active Policing V	(0,080)	Policing IVA Policing IVB
CYI501T	Contemporary Policing Approaches and Issues V	(0,080)	
IFT511T	Information Studies in Policing V	(0,080)	Policing IVA Policing IVB
ODP511T	Organisation Development in Policing V	(0,080)	
PFN501T	Public Financial Management V	(0,080)	
PJG501T	Project Management V	(0,080)	
POS511T	Policy Studies in Policing V	(0,080)	
PUG511T	Human Resource Management in Policing V	(0,080)	

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

3.7.2 MAGISTER TECHNOLOGIAE: POLICING
Qualification code: MTPO00

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Policing or an equivalent qualification. In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year, and a maximum of three years.

d. *Presentation:*
Research

e. *Dissertation:*
Supervisors will guide students for the duration of the programme on how to plan, research and draw up their dissertations. The dissertations may cover any approved research topic. Students may choose topics that are directly related to their own professional responsibilities.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
POG500T	Dissertation: Policing	(1,000)
POG500R	Dissertation: Policing (re-registration)	(0,000)
TOTAL CREDITS FOR THE QUALIFICATION:		**1,000**

3.7.3 DOCTOR TECHNOLOGIAE: POLICING
Qualification code: DTPO00

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Policing or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PLG700T	Thesis: Policing	(2,000)
PLG700R	Thesis: Policing (re-registration)	(0,000)
TOTAL CREDITS FOR THE QUALIFICATION:		**2,000**

4. FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

4.1 DEPARTMENT OF COMPUTER SCIENCE

4.1.1 MAGISTER TECHNOLOGIAE: INFORMATION NETWORKS (Structured)
Qualification code: MTINS0

Campus where offered: Soshanguve South Campus

Description of the qualification:
This programme is designed to focus on the topic of Enterprise Architecture (EA). Although you will not qualify as an architect, you will gain sufficient exposure to the main themes and topics in this field to start your journey towards such a goal. In particular, your focus will be on the technical perspective of EA with a view to equipping you to take part in architectural work with a more pronounced technical focus. In addition, you will be exposed to knowledge that will help you in the management of projects.

REMARKS

a. *Admission requirement(s):*
    Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

    It is compulsory for all English second-language speakers to take an English proficiency test. If a candidate's results for that test are unsatisfactory, they will have to take an advanced short programme in English. Candidates have to pay for the programme themselves. A scientific writing programme, which forms part of the research report, will also be presented at the University.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Evening or block-based classes. If fewer than 15 students are enrolled for a specific subject, the Department may decide not to offer the subject.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IFN501T	Research Report: Information Networks V (year subject)	(0,500)
IFN501R	Research Report: Information Networks V (re-registration)	(0,000)
RMD511C	Research in Information Networks V	(0,100)

plus four of the following subjects. All subjects are offered as determined by the Head of the Department:

COB501T	Communication Networks V	(0,100)
DEG501T	Data Engineering V	(0,100)
HCA501T	Human Computer Interaction V	(0,100)
ITU501T	Information Security V	(0,100)
ITW501T	IT Law V	(0,100)
NEU501T	Neural Networks V	(0,100)
SFE501T	Software Engineering V	(0,100)
SOL501T	Systems Engineering Solutions V	(0,100)

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

4.1.2 MAGISTER TECHNOLOGIAE: INFORMATION NETWORKS
Qualification code: MTIN01

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IFN500T	Dissertation: Information Networks	(1,000)
IFN500R	Dissertation: Information Networks (re-registration)	(0,000)

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

4.1.3 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (Field of specialisation: Information Networks) (provisional accreditation) Qualification code: DTIN08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IFN700T	Thesis: Computer Science and Data Processing: Information Networks	(2,000)
IFN700R	Thesis: Computer Science and Data Processing: Information Networks (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.1.4 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Technical Applications)
Qualification code: MTIL95

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Information Technology or an equivalent qualification.
    A student should preferably have passed Principles of Research IV or a Research
    Methodology subject before registration, and if not, should definitely pass that subject
    before their dissertation is accepted.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the
    approval of a study field with acceptable research proposal idea, following the guidelines
    of the Postgraduate Policy and Procedures. These procedures will be fully explained to the
    prospective student during the personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTA510T	Dissertation: Information Technology: Technical Applications	(1,000)
DTA510R	Dissertation: Information Technology: Technical Applications (re-registration)	(0,000)

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

4.1.5 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Technical Applications)
(provisional accreditation)
Qualification code: DTIL08

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    Any Masters qualification relevant to the field of specialisation, as approved by the
    department.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the
    approval of a study field with acceptable research proposal idea, following the guidelines
    of the Postgraduate Policy and Procedures. These procedures will be fully explained to the
    prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTA700T	Thesis: Computer Science and Data Processing: Technical Applications	(2,000)
DTA700R	Thesis: Computer Science and Data Processing: Technical Applications (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.1.6	MAGISTER TECHNOLOGIAE: PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY (Structured) Qualification code: MTPFS1

Campus where offered: Soshanguve South Campus

Description of the qualification:
This programme is designed to focus on the topic of Enterprise Architecture (EA). Although you will not qualify as an architect, you will gain sufficient exposure to the main themes and topics in this field to start your journey towards such a goal. In particular, your focus will be on the management of architectural teams as well as architectural projects. The exposure to the technical aspects of EA and the strategic level of business, coupled with project management, will make you an asset in the planning and execution of EA projects.

REMARKS
Please note: A moratorium has been placed on new intakes as from 2012 until further notice.

a. *Admission requirement(s):*
- Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification.
  or
- A non-information technology three-year degree, but with at least five years' practical experience in an information technology environment, coupled with some management or supervisory experience.
  or
- At least ten years' practical experience in a technical information technology environment, coupled with some management or supervisory experience. (It is acknowledged that many experienced information technology professionals who work in the industry do not have degrees. Therefore, if an information technology professional has a minimum of seven years' relevant practical experience and is able to prove their suitability (via an RPL procedure, as set out by this University and approved by the Head of the Department), they may be accepted for this programme.)

A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

It is compulsory for all English second-language speakers to complete an English proficiency test. If a candidate's results for this test are unsatisfactory, they will have to complete an advanced short programme in English. Candidates have to pay for the programme themselves. A scientific writing programme, which forms part of the research report, will also be presented at the University.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Evening classes. Promotion is based on the assessment of taught subjects through practical work and an examination. If fewer than 15 students are enrolled for a specific subject, the Department may decide not to offer the subject.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Class attendance:*
Subjects are offered on location (Soshanguve South or Pretoria campuses) as determined by the Head of the Department.

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT	CREDIT
DIZ500T	Research Report: Professional Practice in Information Technology V (year subject)	(0,500)
DIZ501R	Research Report: Professional Practice in Information Technology V (re-registration)	(0,000)
III501T	Innovation in IT V	(0,080)
PRV511T	Professional Systems Engineering V	(0,080)
RMD511D	Research in Professional Practice in Information Technology V	(0,100)
SBG500T	Strategic Business Analysis and Modeling V (year subject)	(0,080)
TKM501T	Task Management V	(0,080)

plus one of the following subjects:

DEV511T	Digital Enterprise V	(0,080)
KNT511T	Knowledge Technologies V	(0,080)
SPV511T	IT Services and Projects V	(0,080)

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

Campus where offered: Soshanguve South Campus

REMARKS
Please note: A moratorium has been placed on new intakes as from 2012 until further notice.

a.   *Admission requirement(s):*
   - Any four-year Baccalaureus Technologiae degree in Information Technology or an equivalent qualification.
     or
   - A non-information technology three-year degree, but with at least five years' practical experience in an information technology environment, coupled with some management or supervisory experience.
     or
   - At least ten years' practical experience in a technical information technology environment, coupled with some management or supervisory experience. (It is acknowledged that many experienced information technology professionals who work in the industry do not have degrees. Therefore, if an information technology professional has a minimum of seven years' relevant practical experience and is able to prove their suitability (via an RPL procedure, as set out by this University and approved by the Head of the Department), they may be accepted for this programme.

   A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b.   *Selection criteria:*
   Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c.   *Duration:*
   A minimum of one year and a maximum of three years.

d.   *Presentation:*
   Research. The topic should be chosen in consultation with the department.

e.   *Rules:*
   See the rules on postgraduate studies in the Students' Rules and Regulations.

f.   *Subject credits:*
   Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PPX500T	Dissertation: Professional Practice in Information Technology	(1,000)
PPX500R	Dissertation: Professional Practice in Information Technology (re-registration)	(0,000)

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

4.1.8 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Professional Practice in Information Technology)
(provisional accreditation)
Qualification code: DTPF08

Campus where offered:	Soshanguve South Campus

REMARKS
Please note: A moratorium has been placed on new intakes as from 2012 until further notice.

a. *Admission requirement(s):*
    Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PPX700T	Thesis: Computer Science and Data Processing: Professional Practice in Information Technology	(2,000)
PPX700R	Thesis: Computer Science and Data Processing: Professional Practice in Information Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.2 DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING

4.2.1 MAGISTER TECHNOLOGIAE: COMPUTER SYSTEMS
Qualification code: MTCY95

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Computer Systems or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits*
Subjects credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
COT500T	Dissertation: Computer Systems	(1,000)
COT500R	Dissertation: Computer Systems (re-registration)	(0,000)

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

4.2.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Computer Systems)
(provisional accreditation)
Qualification code: DTCY08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. Rules:
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
COT700T	Thesis: Computer Science and Data Processing: ComputerSystems	(2,000)
COT700R	Thesis: Computer Science and Data Processing: Computer Systems (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.2.3 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Intelligent Industrial Systems)
Qualification code: MTII95

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Information Technology or an equivalent qualification.
A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DII510T	Dissertation: Information Technology: Intelligent Industrial Systems	(1,000)
DII510R	Dissertation: Information Technology: Intelligent Industrial Systems (re-registration)	(0,000)

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

**4.2.4 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Intelligent Industrial Systems)
(provisional accreditation)
Qualification code: DTII08**

Campus where offered: Soshanguve South Campus

REMARKS

a.   Admission requirement(s):
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years.

d.   *Presentation:*
Research. The topic should be chosen in consultation with the department.

e.   *Rule:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DII700T	Thesis: Computer Science and Data Processing: Intelligent Industrial Systems	(2,000)
DII700R	Thesis: Computer Science and Data Processing: Intelligent Industrial Systems (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.3   DEPARTMENT OF INFORMATICS

**4.3.1 MAGISTER TECHNOLOGIAE: BUSINESS INFORMATION SYSTEMS
(Structured)
Qualification code: MTBIS1**

Campus where offered: Soshanguve South Campus

REMARKS

a.   *Admission requirement(s):*
Any four-year bachelor's degree or honours degree in information systems or related discipline.

Selection criteria:
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Day classes on Saturdays. The qualification consists of structured semester subjects and a research report. The six subjects are presented during the first 12 months through part-time study (on Saturdays). The second part of the Magister Technologiae (minimum of six months) comprises the research report, which carries a weight of 50% of the degree.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

FIRST OR SECOND SEMESTER

CODE	SUBJECT	CREDIT
BIF501T	Business Information Systems V	(0,080)
BUA501T	Business Analysis V	(0,080)
DEV501T	Digital Enterprise V	(0,080)
DIX500T	Research Report: Business Information Systems V (year subject)	(0,500)
DIX500R	Research Report: Business Information Systems V (re-registration)	(0,000)
KNT501T	Knowledge Technologies V	(0,080)
RMD511B	Research in Business Information Systems V	(0,100)
SPV501T	IT Services and Projects V	(0,080)

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

4.3.2   MAGISTER TECHNOLOGIAE: BUSINESS INFORMATION SYSTEMS
Qualification code: MTBI01

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any four-year bachelor's degree or honours degree in information technology, information systems or related discipline.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

    d.   *Presentation:*
    Research. The topic should be chosen in consultation with the department.

    e.   *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

    f.   *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BIF500T	Dissertation: Business Information Systems	(1,000)
BIF500R	Dissertation: Business Information Systems (re-registration)	(0,000)

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

4.3.3 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (Field of specialisation: Business Information Systems) (provisional accreditation) Qualification code: DTBI08

Campus where offered: Soshanguve South Campus

REMARKS

    a.   *Admission requirement(s):*
    Any Masters qualification relevant to the field of specialisation, as approved by the department.

    b.   *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

    c.   *Duration:*
    A minimum of two years and a maximum of five years.

    d.   *Presentation:*
    Research. The topic should be chosen in consultation with the department.

    e.   *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

    f.   *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BIF700T	Thesis: Computer Science and Data Processing: Business Information Systems	(2,000)
BIF700R	Thesis: Computer Science and Data Processing: Business Information Systems (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.3.4 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Business Applications)
Qualification code: MTIB95

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Information Technology or an equivalent qualification.
A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DIB510T	Dissertation: Information Technology: Business Applications	(1,000)
DIB510R	Dissertation: Information Technology: Business Applications (re-registration)	(0,000)

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

4.3.5 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Business Applications)
(provisional accreditation)
Qualification code: DTIB08

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DIB700T	Thesis: Computer Science and Data Processing: Business Applications	(2,000)
DIB700R	Thesis: Computer Science and Data Processing: Business Applications (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.3.6 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Information Management)
Qualification code: MTIM95

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DSR500T	Dissertation: Information Technology: IT Management	(1,000)
DSR500R	Dissertation: Information Technology: IT Management (re-registration)	(0,000)

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

4.3.7 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (Field of specialisation: Information Management) (provisional accreditation) Qualification code: DTIM08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DSR700T	Thesis: Computer Science and Data Processing: IT Management	(2,000)
DSR700R	Thesis: Computer Science and Data Processing: IT Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.3.8 MAGISTER TECHNOLOGIAE: KNOWLEDGE MANAGEMENT
Qualification code: MTKM01

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Knowledge Management or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
KNM500T	Dissertation: Knowledge Management	(1,000)
KNM500R	Dissertation: Knowledge Management (re-registration)	(0,000)

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

4.3.9 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Knowledge Management)
(provisional accreditation)
Qualification code: DTKM08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
KNM700T	Thesis: Computer Science and Data Processing: Knowledge Management	(2,000)
KNM700R	Thesis: Computer Science and Data Processing: Knowledge Management	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.4   DEPARTMENT OF INFORMATION TECHNOLOGY

4.4.1   MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Communication Networks)
Qualification code: MTIK95

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Information Technology or an equivalent qualification.
    A student should preferably have passed Principles of Research IV or a Research
    Methodology subject before registration, and if not, should definitely pass that subject
    before his/her dissertation will be accepted.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel, and the
    approval of a study field with acceptable research proposal idea, following the guidelines
    of the Postgraduate Policy and Procedures. These procedures will be fully explained to the
    prospective student during the personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research. The topic should be chosen in consultation with the department.

e. *Rules:*
    See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DCN510T	Dissertation: Information Technology: Communication Networks	(1,000)
DCN510R	Dissertation: Information Technology: Communication Networks (re-registration)	(0,000)

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

4.4.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (Field of specialisation: Communication Networks) (provisional accreditation) Qualification code: DTIK08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DCN700T	Thesis: Computer Science and Data Processing: Communication Networks	(2,000)
DCN700R	Thesis: Computer Science and Data Processing: Communication Networks (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.5   DEPARTMENT OF SOFTWARE ENGINEERING

4.5.1   MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Software Development)
Qualification code: MTIS95

Campus where offered: Soshanguve South Campus

REMARKS

a.   *Admission requirement(s):*
   A Baccalaureus Technologiae: Information Technology or an equivalent qualification.
   A student should preferably have passed Principles of Research IV or a Research
   Methodology subject before registration, and if not, should definitely pass that subject
   before his/her dissertation will be accepted.

b.   *Selection criteria:*
   Selection is based on a personal interview with a departmental selection panel, and the
   approval of a study field with acceptable research proposal idea, following the guidelines
   of the Postgraduate Policy and Procedures. These procedures will be fully explained to the
   prospective student during the personal interview.

c.   *Duration:*
   A minimum of one year and a maximum of three years.

d.   *Presentation:*
   Research. The topic should be chosen in consultation with the department.

e.   *Rules:*
   See the rules on postgraduate studies in the Students' Rules and Regulations.

f.   *Subject credits:*
   Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DSD510T	Dissertation: Information Technology: Software Development	(1,000)
DSD510R	Dissertation: Information Technology: Software Development (re-registration)	(0,000)

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

4.5.2   DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Software Development)
(provisional accreditation)
Qualification code: DTIS08

Campus where offered: Soshanguve South Campus

REMARKS

a.   *Admission requirement(s):*
   Any Masters qualification relevant to the field of specialisation, as approved by the
   department.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DSD700T	Thesis: Computer Science and Data Processing: Software Development	(2,000)
DSD700R	Thesis: Computer Science and Data Processing: Software Development (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.6 DEPARTMENT OF WEB AND MULTIMEDIA COMPUTING

4.6.1 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Multimedia)
Qualification code: MTIU95

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DIM510T	Dissertation: Information Technology: Multimedia	(1,000)
DIM510R	Dissertation: Information Technology: Multimedia (re-registration)	(0,000)

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

4.6.2 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING (Field of specialisation: Multimedia) (provisional accreditation) Qualification code: DTIU08

Campus where offered: Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DIM700T	Thesis: Computer Science and Data Processing: Multimedia	(2,000)
DIM700R	Thesis: Computer Science and Data Processing: Multimedia (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

4.6.3 MAGISTER TECHNOLOGIAE: INFORMATION TECHNOLOGY
(Field of specialisation: Web and Application Development)
Qualification code: MTIW95

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Information Technology or an equivalent qualification. A student should preferably have passed Principles of Research IV or a Research Methodology subject before registration, and if not, should definitely pass that subject before their dissertation is accepted.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DWA510T	Dissertation: Information Technology: Web and Application Development	(1,000)
DWA510R	Dissertation: Information Technology: Web and Application Development (re-registration)	(0,000)

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

4.6.4 DOCTOR TECHNOLOGIAE: COMPUTER SCIENCE AND DATA PROCESSING
(Field of specialisation: Web and Application Development)
(provisional accreditation)
Qualification code: DTIW08

Campus where offered:	Soshanguve South Campus

REMARKS

a. *Admission requirement(s):*
Any Masters qualification relevant to the field of specialisation, as approved by the department.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel, and the approval of a study field with acceptable research proposal idea, following the guidelines of the Postgraduate Policy and Procedures. These procedures will be fully explained to the prospective student during the personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research. The topic should be chosen in consultation with the department.

e. *Rules:*
See the rules on postgraduate studies in the Students' Rules and Regulations.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DWA700T	Thesis: Computer Science and Data Processing: Web and Application Development	(2,000)
DWA700R	Thesis: Computer Science and Data Processing: Web and Application Development (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5. FACULTY OF MANAGEMENT SCIENCES

5.1 BUSINESS SCHOOL

5.1.1 MASTER'S DEGREE IN BUSINESS ADMINISTRATION (MBA)
Qualification code: MTMB02

Campus where offered:	Pretoria Campus (Metro Skinner Street)

REMARKS

a. *Admission requirement(s):*
    An applicant should -
    - be in possession of a National Diploma that can be followed by studies for a Baccalaureus Technologiae; **or**
    - should be in possession of any three-year bachelor's degree; **or**
    - be in possession of any other M+3 qualification or combination of qualifications that has been evaluated by the University to be the equivalent of the former; **and**
    - have successfully completed a compulsory psychometric test;
    - have been successful in his or her personal interview;
    - have had a minimum of five years of relevant working experience in a business-related environment; and
    - be at least 25 years old.

b. *Selection criteria:*
    Psychometric tests and assessment. Non-refundable fee is applicable.

c. *Duration:*
    A minimum of three years and a maximum of five years.

d. *Presentation:*
    Compulsory workshops. Classes are held from 07:00 to 14:15 on Saturdays. Specific electives may be presented on a block basis during weekdays.

e. *Electives:*
    The offering of specific electives will be determined by the School.

f. *Research Methodology:*
    Students have to pass all the subjects in the first year and any two subjects in the second year before they will be permitted to register for Research Methodology.

g. *Dissertation:*
    Students have to pass the prerequisite subjects before they may submit their dissertations.

h. *Subject credits:*
    Subject credits are shown in brackets after each subject.

FIRST YEAR

CODE	SUBJECT	CREDIT
BUS501T	Business Statistics	(0,100)
MGF501T	Managerial Finance	(0,100)
MMB501T	Marketing Management	(0,100)
MNE501T	Managerial Economics	(0,100)
OBE501T	Organisational Behaviour	(0,100)
OPE501T	Operations Management	(0,100)
TOTAL CREDITS FOR THE FIRST YEAR:		**0,600**

BUT501T	Business Strategy	(0,100)
CGE501T	Change Management	(0,100)
FMN511T	Financial Management	(0,100)
HRM511T	Human Resources Management	(0,100)
INM501T	International Management	(0,100)
RMD101C	Research Methodology (offered in the second and third year)	(0,100)

plus one of the following subjects:

EMG511T	Environmental Management	(0,100)
INF501T	International Financing	(0,100)
MTH501T	Management of Technology	(0,100)
PJG511T	Project Management	(0,100)
QMG501T	Quality Management	(0,100)
TNO501T	Technological Entrepreneurship	(0,100)

TOTAL CREDITS FOR THE SECOND YEAR: **0,700**

THIRD YEAR

On completion of the twelve (12) compulsory subjects in the first and second year.

DIS501T	Research Dissertation	(0,500)
DIS501R	Research Dissertation (re-registration)	(0,000)

plus two of the following subjects not already passed:

EMG511T	Environmental Management	(0,100)
INF501T	International Financing	(0,100)
MTH501T	Management of Technology	(0,100)
PJG511T	Project Management	(0,100)
QMG501T	Quality Management	(0,100)
TNO501T	Technological Entrepreneurship	(0,100)

TOTAL CREDITS FOR THE THIRD YEAR: **0,700**

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.1.2 DOCTOR TECHNOLOGIAE: BUSINESS ADMINISTRATION
Qualification code: DTBA96

Campus where offered: Pretoria Campus (Metro Skinner Street)

REMARKS

a. *Admission requirement(s):*
    A Magister Technologiae: Business Administration, an MBA or an equivalent qualification.

b. *Selection criteria:*
    1. A recognised Magister Technologiae conferred by a tertiary institution registered with the Department of Education. Provisionally registered institutions must be scrutinised for their standards.
    2. Submission of a preliminary doctoral proposal that complies with the protocol set by the University and the Business School.

3. An Average of at least 60% for the class work and the Magister Technologiae dissertation.
4. At least 60% for the subject, Research Methodology.
4.1 If the candidate did not obtain these marks, the following procedures may be followed:
4.1.1 The candidate has to complete the subjects, Research Methodology and Statistics, to be able to apply for admission to doctoral studies again.
4.1.2 On completion of the above subjects, the student has to sit for an oral examination to establish their abilities in both Research Methodology and Statistics.
4.1.3 The successful student may then be admitted to the next phase of selection, the doctoral proposal.
4.2 If the candidate did obtain at least 60% for the subject, Research Methodology, but their abilities are in doubt, the procedure in 4.1.1 must also be followed.
5. Admission to doctoral studies rests with the Faculty of Management Sciences and the Director of the Business School.
6. If the doctoral candidate has completed a full dissertation for their Magister Technologiae, items 3 and 4 do not apply.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Structure:*
This qualification consists of a research project that has to be recorded in the form of a thesis. Before the dissertation is accepted, articles based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted for publication. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the thesis.

e. *Presentation:*
Research

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BAD700T	Thesis: Business Administration	(2,000)
BAD700R	Thesis: Business Administration (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.1.3 MAGISTER TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP (Structured)
Qualification code: MTOLS1

Campus where offered: Pretoria Campus (Metro Skinner Street)

REMARKS
Please note: This programme will not be offered in 2012 and 2013.

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Organisational Leadership or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
   Block-based classes

e. *Subject credits:*
   Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
BUG500T	Business Management V	(0,083)	People Skills IV
CEL500T	Capita Selecta V	(0,083)	People Skills IV
OHI500T	Organisational Leadership V	(0,084)	Leadership IV
ORG500T	Research Report: Organisational Leadership V	(0,500)	
ORG500R	Research Report: Organisational Leadership V (re-registration)	(0,000)	
PHI500T	Personal Leadership V	(0,083)	Leadership IV
RMD500B	Research Methodology V	(0,084)	Research Methodology
SHI500T	Strategic Leadership V	(0,083)	Leadership IV

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

5.1.4   MAGISTER TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP
Qualification code: MTOL01

Campus where offered: Pretoria Campus (Metro Skinner Street)

REMARKS

a. *Admission requirement(s):*
   A Baccalaureus Technologiae: Organisational Leadership or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
   Admission is subject to selection. All the candidates must submit a proposed research proposal to the Business School. The proposal will be evaluated by a panel for admission to the Magister Technologiae: Organisational Leadership.

   Registration prior to the approval of a research proposal is provisional and will be made official only if the research proposal is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their application to the programme.

c. *Duration:*
   A minimum of one year and a maximum of three years.

d. *Presentation:*
   Research

e. *Structure:*
   This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation is accepted, articles based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted for publication. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f. *Subject credits:*
   Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LDS500T	Dissertation: Organisational Leadership	(1,000)
LDS500R	Dissertation: Organisational Leadership (re-registration)	(0,000)

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

5.1.5 DOCTOR TECHNOLOGIAE: ORGANISATIONAL LEADERSHIP
Qualification code: DTOL01

Campus where offered: Pretoria Campus (Metro Skinner Street)

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Organisational Leadership or an equivalent qualification.

b. *Selection:*
Admission is subject to selection. All the candidates must submit a proposed research proposal to the Business School. The proposal will be evaluated by a panel for admission to the Doctor Technologiae: Organisational Leadership. Registration prior to the approval of a research proposal is provisional and will be made official only if the research proposal is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their application to the programme.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project that has to be recorded in the form of a thesis. Before the dissertation is accepted, an article based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted for publication. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the thesis.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LDS700T	Thesis: Organisational Leadership	(2,000)
LDS700R	Thesis: Organisational Leadership (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.2   DEPARTMENT OF HOSPITALITY MANAGEMENT

5.2.1   MAGISTER TECHNOLOGIAE: FOOD AND BEVERAGE MANAGEMENT
Qualification code: MTFB01

Campus where offered:	Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Food and Beverage Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b.   *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

c.   *Duration:*
A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation is accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated, accredited journal and accepted. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FBM500T	Dissertation: Food and Beverage Management	(1,000)
FBM500R	Dissertation: Food and Beverage Management (re-registration)	(0,000)

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

5.2.2   DOCTOR TECHNOLOGIAE: FOOD AND BEVERAGE MANAGEMENT
Qualification code: DTFB01

Campus where offered:	Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Food and Beverage Management or an equivalent qualification.

b.   *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years. Students must re-register each year for this qualification.

d. *Presentation:*
    Research

e. *Structure:*
    This qualification consists of a research project that has to be recorded in the form of a thesis. Before the thesis is accepted for examination, an article, based on the research, should have been accepted by a peer-evaluated accredited journal (or a patent or artefact should have been successful). A draft version (approved by the supervisor) of a second article based on the research, with acknowledgement of receipt by a peer-evaluated accredited journal, should be submitted with the thesis.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FBM700T	Thesis: Food and Beverage Management	(2,000)
FBM700R	Thesis: Food and Beverage Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.2.3 MAGISTER TECHNOLOGIAE: FOOD AND NUTRITION
Qualification code: MTFN96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Food and Nutrition or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
    Selection is based on a personal interview with the departmental selection panel. Registration approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.

d. *Presentation:*
    Research

e. *Structure:*
    This qualification consists of a research project that has to be recorded in the form of a dissertation. Before the dissertation is accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal and accepted. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FNU500T	Dissertation: Food and Nutrition	(1,000)
FNU500R	Dissertation: Food and Nutrition (re-registration)	(0,000)

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

5.2.4 DOCTOR TECHNOLOGIAE: FOOD AND NUTRITION
Qualification code: DTFN96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Food and Nutrition or an equivalent qualification.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel.
Registration prior to the approval of a protocol is provisional and will be made official only if
the protocol is approved by the Faculty Higher Degrees Committee. These procedures will
be fully explained to prospective students during their personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students must re-register each year
for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project that has to be recorded in the form of a
thesis. Before the thesis is accepted for examination, an article, based on the research,
should have been accepted by a peer-evaluated accredited journal (or a patent or artefact
should have been successful). A draft version (approved by the supervisor) of a second
article based on the research, with acknowledgement of receipt by a peer-evaluated
accredited journal, should be submitted with the thesis. A successful defence of the thesis
should take place before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FNU700T	Thesis: Food and Nutrition	(2,000)
FNU700R	Thesis: Food and Nutrition (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.2.5 MAGISTER TECHNOLOGIAE: TOURISM AND HOSPITALITY MANAGEMENT
Qualification code: MTTH99

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
Any relevant baccalaureus technologiae or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
Selection is based on a personal interview with the departmental selection panel. Registration prior to the approval of a protocol is provisional and will be made official only if the protocol is approved by the Faculty Higher Degrees Committee. These procedures will be fully explained to prospective students during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students must re-register each year for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project that has to be recorded in the form of dissertation. Before the dissertation is accepted for examination, an article, based on the research and approved by the supervisor, should have been submitted to a peer-evaluated accredited journal. A draft version of the article, with acknowledgement of receipt by the journal, should be submitted with the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
THT500T	Dissertation: Hospitality	(1,000)
THT500R	Dissertation: Hospitality (re-registration)	(0,000)

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

5.3 DEPARTMENT OF MANAGEMENT AND ENTREPRENEURSHIP

5.3.1 MAGISTER TECHNOLOGIAE: ENTREPRENEURSHIP
(Structured)
Qualification code: MTEU02

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
Any Baccalaureus Technologiae or an equivalent qualification. Prospective students who do not possess the necessary academic qualifications but have relevant work experience, may be still admitted based on the principle of recognition of prior learning (RPL). Information about this may be obtained from the Head of the Department.

b. *Selection criteria:*
Admission is subject to selection. It should be clearly understood that possession of the required qualifications does not guarantee acceptance for the Magister Technologiae. Students may be required to meet additional requirements, e.g. obtain additional subjects, take bridging programmes, do assignments, or take an oral or written examination before being admitted. The University reserves the right to request applicants to write a proficiency test. Computer literacy and access to the Internet are essential.

c. *Duration:*
A minimum of eighteen months and a maximum of three years.

d. *Presentation:*
Evening classes

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE

CODE	SUBJECT	CREDIT
ERP500T	Research Report: Entrepreneurship V	(0,500)
ERP500R	Research Report: Entrepreneurship V (re-registration)	(0,000)

FIRST SEMESTER

ETQ50AT	Entrepreneurship Techniques VA	(0,100)
FFE501T	Finance for Entrepreneurs V	(0,050)
RMD50AE	Research Methodology A	(0,100)

SECOND SEMESTER

ETQ50BT	Entrepreneurship Techniques VB	(0,100)
TEI501T	Technological Entrepreneurship and Innovation V	(0,050)
RMD50BE	Research Methodology B	(0,100)

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

5.4 DEPARTMENT OF MARKETING, LOGISTICS AND SPORT MANAGEMENT

5.4.1 MAGISTER TECHNOLOGIAE: LOGISTICS
Qualification code: MTLO97

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Logistics or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
An interview with an admission committee.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LGS500T	Dissertation: Logistics	(1,000)
LGS500R	Dissertation: Logistics (re-registration)	(0,000)

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

5.4.2 DOCTOR TECHNOLOGIAE: LOGISTICS
Qualification code: DTLO97

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Logistics or an equivalent qualification.

b. *Selection criteria:*
An interview with an admission committee.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LGS700T	Thesis: Logistics	(2,000)
LGS700R	Thesis: Logistics (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.4.3 MAGISTER TECHNOLOGIAE: MARKETING
Qualification code: MTMK95

Campus where offered: Pretoria campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Marketing or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
A structured interview with a selection committee. The candidate will, *inter alia*, be judged according to the following criteria:

- A research proposal, which has to be submitted
- Certificate of conduct
- Motivation for further studies
- Previous academic performance

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MRK500T	Dissertation: Marketing	(1,000)
MRK500R	Dissertation: Marketing (re-registration)	(0,000)

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

5.4.4 DOCTOR TECHNOLOGIAE: MARKETING
Qualification code: DTMK96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Marketing or an equivalent qualification.

b. *Selection criteria:*
A structured interview with a selection committee. The candidate will, *inter alia*, be judged according to the following criteria:

- A research proposal, which has to be submitted
- Certificate of conduct
- Motivation for further studies
- Previous academic performance

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MRK710T	Thesis: Marketing	(2,000)
MRK710R	Thesis: Marketing (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

MASTER'S DIPLOMA IN TECHNOLOGY: PARKS AND RECREATION MANAGEMENT
Qualification code: MDPK92

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    Any Baccalaureus Technologiae or an equivalent qualification.

b. *Selection criteria:*
    All applications are subject to selection.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PRA500T	Research Project and Dissertation: Parks and Recreation Management	(1,000)
PRA500R	Research Project and Dissertation: Parks and Recreation Management (re-registration)	(0,000)

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

5.5   DEPARTMENT OF OFFICE MANAGEMENT AND TECHNOLOGY

5.5.1   MAGISTER TECHNOLOGIAE: OFFICE MANAGEMENT AND TECHNOLOGY
Qualification code: MTOM96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Office Management and Technology or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
    Admission is subject to selection.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
OMT500T	Dissertation: Office Management and Technology	(1,000)
OMT500R	Dissertation: Office Management and Technology (re-registration)	(0,000)

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

5.6   DEPARTMENT OF OPERATIONS MANAGEMENT

5.6.1   MAGISTER TECHNOLOGIAE: OPERATIONS MANAGEMENT
Qualification code: MTOS04

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Operations Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b.   *Selection criteria:*
Admission is subject to selection.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research. In the dissertation, the student has to prove that they understand a particular problem in the industry in which they have done research that they can analyse and set it out logically, arrive at logical conclusions or a diagnosis, and make proposals for the solution or the elimination of the problem. The dissertation has to comply with the usual general technical requirements and rules regarding scope, quality and layout. The chosen research theme should be based on one or more of prerequisite Level IV subjects.

e.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
OPN500T	Dissertation: Operations Management	(1,000)
OPN500R	Dissertation: Operations Management (re-registration)	(0,000)

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

5.7 DEPARTMENT OF PEOPLE MANAGEMENT AND DEVELOPMENT

5.7.1 MAGISTER TECHNOLOGIAE: CONTACT CENTRE MANAGEMENT
Qualification code: MTCC01

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Contact Centre Management or an equivalent qualification.
    A student must have passed Research Methodology before registration.

b. *Selection criteria:*
    Admission is subject to selection.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CCC500T	Dissertation: Contact Centre Management (1,000)	
CCC500R	Dissertation: Contact Centre Management (0,000) (re-registration)	

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

5.7.2 DOCTOR TECHNOLOGIAE: CONTACT CENTRE MANAGEMENT
Qualification code: DTCC01

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Magister Technologiae: Contact Centre Management or an equivalent qualification.

b. *Selection criteria:*
    Admission is subject to selection.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CCC700T	Thesis: Contact Centre Management	(2,000)
CCC700R	Thesis: Contact Centre Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.7.3 MAGISTER TECHNOLOGIAE: HUMAN RESOURCES MANAGEMENT
Qualification code: MTHR95

Campus where offered: Pretoria campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Human Resources Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HRM500T	Dissertation: Human Resources Management	(1,000)
HRM500R	Dissertation: Human Resources Management (re-registration)	(0,000)

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

5.7.4 DOCTOR TECHNOLOGIAE: HUMAN RESOURCES MANAGEMENT
Qualification code: DTHR95

Campus where offered: Pretoria campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Human Resources Management or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HRM700T	Thesis: Human Resources Management	(2,000)
HRM700R	Thesis: Human Resources Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.7.5 MAGISTER TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT (Structured)
Qualification code: MTHDS0

Campus where offered:	Pretoria Campus

REMARKS
Please note: This programme will not be offered in 2012 and 2013.

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Human Resource Development or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Evening classes

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
AST500T	Advanced Strategic Management V	(0,200)
HRT501T	Research Report: Human Resource Development V	(0,500)
HRT501R	Research Report: Human Resource Development V (re-registration)	(0,000)
RMD100T	Research Methodology	(0,100)
TDG500T	Training and Development Strategies V	(0,200)

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

5.7.6 MAGISTER TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT
Qualification code: MTHD01

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Human Resource Development or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HRT500T	Dissertation: Human Resource Development	(1,000)
HRT500R	Dissertation: Human Resource Development (re-registration)	(0,000)

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

5.7.7 DOCTOR TECHNOLOGIAE: HUMAN RESOURCE DEVELOPMENT
Qualification code: DTHD96

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Human Resource Development or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HRT700T	Thesis: Human Resource Development	(2,000)
HRT700R	Thesis: Human Resource Development (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.7.8 MAGISTER TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT (Structured)
Qualification code: MTLMS0

Campus where offered:	Pretoria Campus

REMARKS
Please note: This programme will not be offered in 2012 and 2013.

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Labour Relations Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Evening or block-based classes.

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
ALC500T	Advanced Labour Relations Practice V	(0,125)	Labour Relations Management
AVC500T	Advanced Collective Bargaining V	(0,125)	Collective Bargaining and Negotiation
FLR500T	Foundation of Labour Relations Theory V	(0,125)	Labour Relations Management
LRM501T	Research Report: Labour Relations Management V	(0,500)	
LRM501R	Research Report: Labour Relations Management V (re-registration)	(0,000)	
SLT500T	Strategic Labour Relations Management V	(0,125)	Labour Relations Management

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

5.7.9 MAGISTER TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT
Qualification code: MTLM01

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Labour Relations Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LRM500T	Dissertation: Labour Relations Management	(1,000)
LRM500R	Dissertation: Labour Relations Management (re-registration)	(0,000)

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

5.7.10 DOCTOR TECHNOLOGIAE: LABOUR RELATIONS MANAGEMENT
Qualification code: DTLM01

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Labour Relations Management or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
LRM700T	Thesis: Labour Relations Management	(2,000)
LRM700R	Thesis: Labour Relations Management (re-registration)	(0,000)

TOTAL CREDIT FOR THE QUALIFICATION: **2,000**

5.8 DEPARTMENT OF TOURISM MANAGEMENT

5.8.1 MAGISTER TECHNOLOGIAE: ADVENTURE TOURISM MANAGEMENT
Qualification code: MTAV99

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Adventure Tourism Management or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation and campus:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ADU500T	Dissertation: Adventure Tourism Management	(1,000)
ADU500R	Dissertation: Adventure Tourism Management (re-registration)	(0,000)

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

5.8.2 DOCTOR TECHNOLOGIAE: ADVENTURE TOURISM MANAGEMENT
Qualification code: DTAV99

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Adventure Tourism Management, or an equivalent qualification.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of two years and a maximum of five years.

d.   *Presentation:*
     Research

e.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ADU700T	Thesis: Adventure Tourism Management	(2,000)
ADU700R	Thesis: Adventure Tourism Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

5.8.3   MAGISTER TECHNOLOGIAE: ECOTOURISM MANAGEMENT
Qualification code: MTEK01

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
     A Baccalaureus Technologiae: Ecotourism Management or an NQF level 7 bachelor's or honours degree in Ecotourism Management from a South African university.

     Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

     Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

     In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
     Selection is based on a personal interview with the departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

     These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
     A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
     Research

e.   *Structure:*
     This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ETM500T	Dissertation: Ecotourism	(1,000)
ETM500R	Dissertation: Ecotourism (re-registration)	(0,000)

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

5.8.4 MAGISTER TECHNOLOGIAE: TOURISM AND HOSPITALITY MANAGEMENT
Qualification code: MTTH99

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A relevant Baccalaureus Technologiae or an equivalent qualification. A student must have passed Research Methodology before registration.

b. *Selection criteria:*
Admission is subject to selection.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
TOU500T	Dissertation: Tourism	(1,000)
TOU500R	Dissertation: Tourism (re-registration)	(0,000)

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

6. FACULTY OF SCIENCE

6.1 ADELAIDE TAMBO SCHOOL OF NURSING SCIENCE

6.1.1 MAGISTER TECHNOLOGIAE: NURSING
Qualification code: MTNG98

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Nursing or an NQF level 7 bachelor's or honours degree in Nursing from a South African university or nursing college, recognised by the South African Nursing Council as the minimum requirement to register as a Professional Nurse.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NUR510T	Dissertation: Nursing	(1,000)
NUR510R	Dissertation: Nursing (re-registration)	(0,000)
TOTAL CREDITS FOR THE QUALIFICATION:		**1,000**

6.1.2 DOCTOR TECHNOLOGIAE: NURSING
Qualification code: DTNG98

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Nursing or a NQF level 8 master's degree in Nursing from a South African university or nursing college.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NUR700T	Thesis: Nursing	(2,000)
NUR700R	Thesis: Nursing (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.2 DEPARTMENT OF ANIMAL SCIENCES

6.2.1 MAGISTER TECHNOLOGIAE: AGRICULTURE
Qualification code: MTAP98

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Agriculture: Animal Production or a NQF level 7 bachelor's or honours degree in Agriculture with Animal Production as major subject from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research.

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DPS500T	Dissertation: Agriculture: Animal Production	(1,000)
DPS500R	Dissertation: Agriculture: Animal Production (re-registration)	(0,000)

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

DOCTOR TECHNOLOGIAE: AGRICULTURE
Qualification code: DTAP98

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Agriculture or an NQF level 8 master's degree in Agriculture from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DPS700T	Thesis: Agriculture: Animal Production	(2,000)
DPS700R	Thesis: Agriculture: Animal Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.3 DEPARTMENT OF BIOMEDICAL SCIENCES

6.3.1 MAGISTER TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY
Qualification code: MTBM96

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Biomedical Technology or an NQF level 7 bachelor's or honours degree in Biomedical Sciences/Technology from a South African university.

    Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

    Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

    In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

    These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
    A minimum of one year, and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
    Research

e. *Structure:*
    This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BIT500T	Dissertation: Biomedical Technology	(1,000)
BIT500R	Dissertation: Biomedical Technology (re-registration)	(0,000)

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

6.3.2 DOCTOR TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY
Qualification code: DTBM96

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Biomedical Technology or an NQF level 8 master's degree in Biomedical Sciences/Technology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BIT700T	Thesis: Biomedical Technology	(2,000)
BIT700R	Thesis: Biomedical Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.3.3 MAGISTER TECHNOLOGIAE: CLINICAL TECHNOLOGY
Qualification code: MTCT98

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Clinical Technology or an NQF level 7 bachelor's or honours degree in Clinical Technology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CCY500T	Dissertation: Clinical Technology	(1,000)
CCY500R	Dissertation: Clinical Technology (re-registration)	(0,000)

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

6.3.4 DOCTOR TECHNOLOGIAE: CLINICAL TECHNOLOGY
Qualification code: DTCT98

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Clinical Technology or an NQF level 8 master's degree in Clinical Technology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CCY700T	Thesis: Clinical Technology	(2,000)
CCY700R	Thesis: Clinical Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.3.5 MAGISTER TECHNOLOGIAE: RADIOGRAPHY
Qualification code: MTRG97

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Radiography: Diagnostic or an NQF level 7 bachelor's or honours degree in Radiography from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
RGD500T	Dissertation: Radiography	(1,000)
RGD500R	Dissertation: Radiography (re-registration)	(0,000)

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

6.3.6 DOCTOR TECHNOLOGIAE: RADIOGRAPHY
Qualification code: DTRG97

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Radiography or an NQF level 8 master's degree in Radiography from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
RGD700T	Thesis: Radiography	(2,000)
RGD700R	Thesis: Radiography (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.3.7 MAGISTER TECHNOLOGIAE: VETERINARY TECHNOLOGY
Qualification code: MTVE96

Campus where offered:	Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Veterinary Technology or an NQF level 7 bachelor's or honours degree in Veterinary Technology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
VTY500T	Dissertation: Veterinary Technology	(1,000)
VTY500R	Dissertation: Veterinary Technology (re-registration)	(0,000)

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

6.3.8 DOCTOR TECHNOLOGIAE: VETERINARY TECHNOLOGY
Qualification code: DTVE96

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Veterinary Technology or an NQF level 8 master's degree in Veterinary Technology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
VTY700T	Thesis: Veterinary Technology	(2,000)
VTY700R	Thesis: Veterinary Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.4 DEPARTMENT OF BIOTECHNOLOGY AND FOOD TECHNOLOGY

6.4.1 MAGISTER TECHNOLOGIAE: BIOTECHNOLOGY
Qualification code: MTBT96

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Biotechnology or an NQF level 7 bachelor's or honours degree in Biotechnology or Microbiology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BTY500T	Dissertation: Biotechnology	(1,000)
BTY500R	Dissertation: Biotechnology (re-registration)	(0,000)

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

6.4.2 DOCTOR TECHNOLOGIAE: BIOTECHNOLOGY
Qualification code: DTBT96

Campus where offered:　　　　Arcadia Campus

REMARKS

a.　*Admission requirement(s):*
A Magister Technologiae: Biotechnology or an NQF level 8 master's degree in Biotechnology or Microbiology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.　*Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c.　*Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.　*Presentation:*
Research

e.　*Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f.　*Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
BTY700T	Thesis: Biotechnology	(2,000)
BTY700R	Thesis: Biotechnology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION:　　**2,000**

6.4.3 MAGISTER TECHNOLOGIAE: FOOD TECHNOLOGY
Qualification code: MTFT96

Campus where offered:	Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Food Technology or an NQF level 7 bachelor's or honours degree in Food Technology or Food Science from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualification from the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FTN500T	Dissertation: Food Technology	(1,000)
FTN500R	Dissertation: Food Technology (re-registration)	(0,000)

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

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Food Technology or an NQF level 8 master's degree in Food Technology or Food Science from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FTN700T	Thesis: Food Technology	(2,000)
FTN700R	Thesis: Food Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.5   DEPARTMENT OF CHEMISTRY

6.5.1   MAGISTER TECHNOLOGIAE: CHEMISTRY
Qualification code: MTCH95

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Chemistry or an NQF level 7 bachelor's or honours degree in Chemistry from any South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty of Science reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c.   *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CHE500T	Dissertation: Chemistry	(1,000)
CHE500R	Dissertation: Chemistry (re-registration)	(0,000)

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

6.5.2 DOCTOR TECHNOLOGIAE: CHEMISTRY
Qualification code: DTCH96

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Chemistry or an NQF level 8 master's degree in Chemistry from any South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty of Science reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
CHE700T	Thesis: Chemistry	(2,000)
CHE700R	Thesis: Chemistry (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.6 DEPARTMENT OF CROP SCIENCES

6.6.1 MAGISTER TECHNOLOGIAE: AGRICULTURE
Qualification code: MTAL98

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Agriculture or an NQF level 7 bachelor's or honours degree in Agriculture from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, the prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PPC500T	Dissertation: Agriculture: Crop Production	(1,000)
PPC500R	Dissertation: Agriculture: Crop Production (re-registration)	(0,000)

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

6.6.2 DOCTOR TECHNOLOGIAE: AGRICULTURE
Qualification code: DTAL98

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Agriculture or an NQF level 8 master's degree in Agriculture obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PPC700T	Thesis: Agriculture: Crop Production	(2,000)
PPC700R	Thesis: Agriculture: Crop Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.7 DEPARTMENT OF ENVIRONMENTAL HEALTH

6.7.1 MAGISTER TECHNOLOGIAE: ENVIRONMENTAL HEALTH
Qualification code: MTEH95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Environmental Health or an NQF level 7 bachelor's or honours degree in Environmental or Public Health from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, the prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EHT500T	Dissertation: Environmental Health	(1,000)
EHT500R	Dissertation: Environmental Health (re-registration)	(0,000)

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

6.7.2 DOCTOR TECHNOLOGIAE: ENVIRONMENTAL HEALTH
Qualification code: DTEH96

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Environmental Health or an NQF level 8 master's degree in Environmental or Public Health from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during his or her personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EHT700T	Thesis: Environmental Health	(2,000)
EHT700R	Thesis: Environmental Health (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.8   DEPARTMENT OF ENVIROMENTAL, WATER AND EARTH SCIENCES

6.8.1   MAGISTER TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT (Structured)
Qualification code: MTEVS0

Campus where offered:	Arcadia Campus

REMARKS

Please note: A moratorium was placed on new intakes as from 2008 until further notice.

a.   *Admission requirement(s):*
Any relevant four-year tertiary qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised. Depending on the nature of such equivalent qualification, completion of certain additional subjects may be required.

In addition, the student should successfully complete Research Methodology in the first year of study if it was not taken for a previous qualification.

Please note: This qualification is recommended for students with a relevant four-year tertiary qualification, other than the Baccalaureus Technologiae: Environmental Management or the Baccalaureus Technologiae: Environmental Sciences.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. These procedures will be fully explained to each prospective student at his or her personal interview.

c.   *Recommended subjects:*
It is highly recommended that the student should have passed relevant environmental subjects during undergraduate studies and/or completed an environmental-related short learning programme beforehand.

d.   *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

e.   *Presentation:*
Block-based classes

f.   *Structure:*
This programme consists of subjects offered on a block-basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.

g.   *Subject credits:*
Subject credits are shown in brackets after each subject.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
ELE500T	Environmental Legislation V	(0,125)
EMG500T	Environmental Management V	(0,125)
EMG501T	Research Report: Environmental Management V	(0,500)
EMG501R	Research Report: Environmental Management V (re-registration)	(0,000)

plus two of the following subjects:

ECC500T	Environmental Accounting V	(0,125)
ENC500T	Environmental Chemistry V	(0,125)
ERA500T	Environmental Risk Assessment V	(0,125)
GEH500T	Geohydrology V	(0,125)

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

6.8.2   MAGISTER TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT
Qualification code: MTEV99

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Environmental Sciences or Environmental Management or an NQF level 7 bachelor's or honours degree in Environmental Sciences, Environmental Management, Chemistry, Biotechnology, Ecology, Botany or Zoology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

In addition, the prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EMG510T	Dissertation: Environmental Management	(1,000)
EMG510R	Dissertation: Environmental Management (re-registration)	(0,000)

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

6.8.3   DOCTOR TECHNOLOGIAE: ENVIRONMENTAL MANAGEMENT
Qualification code: DTEV99

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Environmental Sciences or Environmental Management or an NQF level 8 Master's degree in Environmental Sciences, Environmental Management, Chemistry, Biotechnology, Ecology, Botany or Zoology, from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
EMG700T	Thesis: Environmental Management	(2,000)
EMG700R	Thesis: Environmental Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.8.4 MAGISTER TECHNOLOGIAE: GEOLOGY
Qualification code: MTGE96

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Geology or an NQF level 7 bachelor's or honours degree in Geology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GEO500T	Dissertation: Geology	(1,000)
GEO500R	Dissertation: Geology (re-registration)	(0,000)

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

6.8.5 DOCTOR TECHNOLOGIAE: GEOLOGY
Qualification code: DTGE96

Campus where offered:　　　Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Geology or an NQF level 8 master's degree in Geology from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GEO700T	Thesis: Geology	(2,000)
GEO700R	Thesis: Geology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.8.6 MAGISTER TECHNOLOGIAE: WATER CARE
Qualification code: MTWC99

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Water Care, Chemistry, Biotechnology or Chemical Engineering or an NQF level 7 bachelor's or honours' degree in Water Utilisation/Sciences, Chemistry, Microbiology, Biotechnology, Biochemistry or Chemical Engineering from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
WCT500T	Dissertation: Water Care	(1,000)
WCT500R	Dissertation: Water Care (re-registration)	(0,000)

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

6.8.7 DOCTOR TECHNOLOGIAE: WATER CARE
Qualification code: DTWC99

Campus where offered:	Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Water Care, Chemistry, Biotechnology or Chemical Engineering or an NQF level 8 Master's degree in Water Utilisation, Chemistry, Microbiology, Biotechnology, Biochemistry or Chemical Engineering from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
WCT700T	Thesis: Water Care	(2,000)
WCT700R	Thesis: Water Care (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.9 DEPARTMENT OF HORTICULTURE

6.9.1 MAGISTER TECHNOLOGIAE: HORTICULTURE
Qualification code: MTHO97

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Horticulture, Landscape Technology or Turfgrass Management or an NQF level 7 bachelor's or honours degree in Horticulture or Botany from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HOR500T	Dissertation: Horticulture	(1,000)
HOR500R	Dissertation: Horticulture (re-registration)	(0,000)

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

Campus where offered:	Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Horticulture or an NQF level 8 master's degree in Horticulture or Botany from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research.

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
HOR700T	Thesis: Horticulture	(2,000)
HOR700R	Thesis: Horticulture (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.10   DEPARTMENT OF MATHEMATICS AND STATISTICS

6.10.1   MAGISTER TECHNOLOGIAE: QUALITY
Qualification code: MTQU99

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Quality or an equivalent qualification.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
QAS510T	Dissertation: Quality	(1,000)
QAS510R	Dissertation: Quality (re-registration)	(0,000)

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

DOCTOR TECHNOLOGIAE: QUALITY
Qualification code: DTQU99

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Quality or an equivalent qualification.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
QAS700T	Thesis: Quality	(2,000)
QAS700R	Thesis: Quality (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.10.3 MAGISTER TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY (Structured)
Qualification code: MTMNST

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
Any NQF level 7 bachelor's degree with a subject in Mathematical Sciences at level IV from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Recommended subjects:*
It is highly recommended that the student should have passed relevant mathematical subjects during undergraduate studies and/or completed a mathematical-related short learning programme beforehand.

d. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

e. *Presentation:*
Block-based classes as arranged by the department.

f. *Structure:*
This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.

Please note: Before the research report will be accepted for assessment, a draft scientific paper, based on the research and approved by the supervisor, has to be ready for submission to a peer-reviewed journal (preferably accredited). Research findings should have been presented at a regional symposium or conference.

g. *Subject credits:*
Subject credits are shown in brackets after each subject.

FIRST YEAR

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)

Two of the following subjects:

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
NAS500T	Numerical Analysis V	(0,040)	
NLA500T	Numerical Linear Algebra V	(0,040)	
ONL500T	Ordinary Nonlinear Differential Equations V	(0,040)	
PDQ500T	Partial Differential Equations V	(0,040)	

Plus:

LABORATORY

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
MTP50AT	Mathematical Technology: Laboratory Project (A) V	(0,130)	
	TOTAL CREDITS FOR THE FIRST YEAR:	**0,210**	

SECOND YEAR

Two of the following subjects (excluding those taken in the first year):

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
NAS500T	Numerical Analysis V	(0,040)	
NLA500T	Numerical Linear Algebra V	(0,040)	
ONL500T	Ordinary Nonlinear Differential Equations V	(0,040)	
PDQ500T	Partial Differential Equations V	(0,040)	

Plus:

LABORATORY

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
MTP50BT	Mathematical Technology: Laboratory Project (B) V	(0,130)	
	TOTAL CREDITS FOR THE SECOND YEAR:	**0,210**	

THIRD YEAR

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
CQM500T	Colloquium V	(0,040)	Numerical Analysis V Numerical Linear Algebra V Ordinary Nonlinear Differential Equations V Partial Differential Equations V
ILM500T	Industrial Mathematics V	(0,040)	

RESEARCH

MAY501T	Research Report: Mathematical Technology V	(0,500)	Mathematical Technology: Laboratory Project (A) V Mathematical Technology: Laboratory Project (B) V Numerical Analysis V Numerical Linear Algebra V Ordinary Nonlinear Differential Equations V Partial Differential Equations V
MAY501R	Research Report: Mathematical Technology V (re-registration)	(0,000)	

TOTAL CREDITS FOR THE THIRD YEAR:	**0,580**
TOTAL CREDITS FOR THE QUALIFICATION:	**1,000**

6.10.4 MAGISTER TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY
Qualification code: MTMN00

Campus where offered: Arcadia Campus

REMARKS

a. *Admission requirement(s):*
Any NQF level 7 bachelor's or honours' degree in Mathematical Science from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for This qualification.

d. *Presentation:*
Research

e.   *Structure:*
     This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MAY500T	Dissertation: Mathematical Technology	(1,000)
MAY500R	Dissertation: Mathematical Technology (re-registration)	(0,000)

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

6.10.5   DOCTOR TECHNOLOGIAE: MATHEMATICAL TECHNOLOGY
Qualification code: DTMN00

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
     A Magister Technologiae: Mathematical Technology or an NQF level 8 master's degree in any one of the Mathematical Sciences from a South African university or a Master of Science degree from the University of Southern Mississippi.

     Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

     Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b.   *Selection criteria:*
     Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

     These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
     A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
     Research

e.   *Structure:*
     This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

CODE	SUBJECT	CREDIT
MAY700T	Thesis: Mathematical Technology	(2,000)
MAY700R	Thesis: Mathematical Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.11   DEPARTMENT OF NATURE CONSERVATION

6.11.1   MAGISTER TECHNOLOGIAE: ECOTOURISM MANAGEMENT
Qualification code: MTES01

Campus where offered:	Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
     A Baccalaureus Technologiae: Ecotourism Management or an NQF level 7 bachelor's or honours degree in Ecotourism Management from a South African university.

     Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

     Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

     In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
     Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

     These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
     A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
     Research

e.   *Structure:*
     This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
ETM510T	Dissertation: Ecotourism	(1,000)
ETM510R	Dissertation: Ecotourism (re-registration)	(0,000)

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

6.11.2 MAGISTER TECHNOLOGIAE: GAME RANCH MANAGEMENT
Qualification code: MTGR01

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Game Ranch Management or an NQF level 7 bachelor's or honours degree in Game Ranch Management from a South African university.

    Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

    Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

    In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

    These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
    A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
    Research

e. *Structure:*
    This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits*:
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GRM500T	Dissertation: Game Ranch Management	(1,000)
GRM500R	Dissertation: Game Ranch Management (re-registration)	(0,000)

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

6.11.3 DOCTOR TECHNOLOGIAE: GAME RANCH MANAGEMENT
Qualification code: DTGR01

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Game Ranch Management or an NQF level 8 master's degree in Game Ranch Management, obtained from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GRM700T	Thesis: Game Ranch Management	(2,000)
GRM700R	Thesis: Game Ranch Management (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.11.4 MAGISTER TECHNOLOGIAE: NATURE CONSERVATION
Qualification code: MTNA95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Nature Conservation or an NQF level 7 bachelor's or honours degree in Nature Conservation from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NCV500T	Dissertation: Nature Conservation	(1,000)
NCV500R	Dissertation: Nature Conservation (re-registration)	(0,000)

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

6.11.5 DOCTOR TECHNOLOGIAE: NATURE CONSERVATION
Qualification code: DTNA96

Campus where offered:	Pretoria Campus

REMARKS

a. *Admission requirement(s):*
    A Magister Technologiae: Nature Conservation or an NQF level 8 master's degree in Nature Conservation, obtained from a South African university.

    Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

    Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b. *Selection criteria:*
    Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

    These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
    A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d. *Presentation:*
    Research

e. *Structure:*
    This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. He or she should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
NCV700T	Thesis: Nature Conservation	(2,000)
NCV700R	Thesis: Nature Conservation (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.12   DEPARTMENT OF PHARMACEUTICAL SCIENCES

6.12.1 MAGISTER TECHNOLOGIAE: PHARMACEUTICAL SCIENCES (Structured)
Qualification code: MTPLS0

Campus where offered: Arcadia Campus

REMARKS
Please note: A moratorium was placed on new intakes as from 2008 until further notice.

a.   *Admission requirement(s):*
Any relevant four-year tertiary qualification. A student has to apply in advance for status to be granted or an equivalent qualification to be recognised. Depending on the nature of such equivalent qualification, the completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel.
These procedures will be fully explained to each prospective student at his or her personal interview.

It is highly recommended that the student should have passed relevant pharmaceutical subjects during undergraduate studies and/or completed a pharmaceutical-related short learning programme beforehand.

c.   *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Block-based classes

e.   *Structure:*
This programme consists of subjects offered on a block basis and a research project in the form of a mini-dissertation (research report). In order to obtain a structured magister technologiae, the student has to pass all the relevant subjects and the mini-dissertation (research report) has to be accepted. The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

Subjects are offered as determined by the Department.

CODE	SUBJECT	CREDIT
PHR510T	Research Report: Pharmaceutical Sciences V	(0,500)
PHR510R	Research Report: Pharmaceutical Sciences V (re-registration)	(0,000)
RMD500C	Research Methodology	(0,101)

plus three of the following subjects:

CRH500T	Clinical Research	(0,133)
CYH500T	Community Pharmacy	(0,133)
MGE500T	Medicine Governance	(0,133)
PHN500T	Pharmaco-Economics	(0,133)
PRU500T	Pharmaceutical Production	(0,133)

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

6.12.2 MAGISTER TECHNOLOGIAE: PHARMACEUTICAL SCIENCES
Qualification code: MTPL01

Campus where offered:	Arcadia Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Pharmaceutical Sciences or an NQF level 7 Health- or Pharmaceutical Sciences-related bachelor's or honours degree from a South African university.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

> d. *Presentation:*
> Research

> e. *Structure:*
> This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

> f. *Subject credits:*
> Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PHR500T	Dissertation: Pharmaceutical Sciences	(1,000)
PHR500R	Dissertation: Pharmaceutical Sciences (re-registration)	(0,000)

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

6.12.3 DOCTOR TECHNOLOGIAE: PHARMACEUTICAL SCIENCES
Qualification code: DTPL01

Campus where offered: Arcadia Campus

REMARKS

> a. *Admission requirement(s):*
> A Magister Technologiae: Pharmaceutical Sciences or an NQF level 8 Health- or Pharmaceutical Sciences-related master's degree from a South African university.
>
> Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.
>
> Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

> b. *Selection criteria:*
> Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.
>
> These procedures will be fully explained to each prospective student during their personal interview.

> c. *Duration:*
> A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

> d. *Presentation:*
> Research

e.   *Structure:*
      This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f.   *Subject credits:*
      Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PHR700T	Thesis: Pharmaceutical Sciences	(2,000)
PHR700R	Thesis: Pharmaceutical Sciences (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

6.12.4   MAGISTER TECHNOLOGIAE: SOMATOLOGY
Qualification code: MTSY99

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
      A Baccalaureus Technologiae: Somatology or an equivalent qualification.

      Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

      Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

      In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
      Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

      These procedures will be fully explained to each prospective student during tgeir personal interview.

c.   *Duration:*
      A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
      Research

e.   *Structure:*
     This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
     Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
STG500T	Dissertation: Somatology	(1,000)
STG500R	Dissertation: Somatology (re-registration)	(0,000)

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

6.13   DEPARTMENT OF PHYSICS

6.13.1   MAGISTER TECHNOLOGIAE: FIRE TECHNOLOGY
Qualification code: MTFY01

Campus where offered: Arcadia Campus

REMARKS

a.   *Admission requirement(s):*
     A Baccalaureus Technologiae: Fire Technology or Fire Services.

     Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

     Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

     In addition, a prospective student should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b.   *Selection criteria:*
     Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

     These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
     A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d.   *Presentation:*
     Research

e. *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation will be considered, the manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FIT500T	Dissertation: Fire Technology	(1,000)
FIT500R	Dissertation: Fire Technology (re-registration)	(0,000)

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

6.14   DEPARTMENT OF SPORT, REHABILITATION AND DENTAL SCIENCES

6.14.1   MAGISTER TECHNOLOGIAE: DENTAL TECHNOLOGY
Qualification code: MTDT95

Campus where offered: Pretoria Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Dental Technology.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

In addition, a candidate should successfully complete Research Methodology in the first year of study if it was not included in a previous qualification.

b. *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c. *Duration:*
A minimum of one year and a maximum of three years. Students have to re-register annually for this qualification.

d. *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a dissertation. Before the final assessment report of the dissertation is considered, a manuscript of at least one scientific paper, which is a requirement for the degree, has to be handed in. It has to be ready for submission for publication in a peer-reviewed journal (preferably accredited). The student has to present a colloquium before submitting the dissertation.

f.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTN500T	Dissertation: Dental Technology	(1,000)
DTN500R	Dissertation: Dental Technology (re-registration)	(0,000)

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

6.14.2 DOCTOR TECHNOLOGIAE: DENTAL TECHNOLOGY
Qualification code: DTDT96

Campus where offered: Pretoria Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Dental Technology.

Holders of any other equivalent South African or foreign qualifications may also be considered, but will have to apply in advance (± six months) for recognition of such qualifications. Foreign students will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA). The Faculty reserves the right to assess these qualifications and the applicant's suitability/competence for admission to the programme. Proof of English proficiency may be required.

Depending on the nature of such an equivalent qualification, completion of certain additional subjects may be required.

b.   *Selection criteria:*
Selection is based on a personal interview with a departmental selection panel. Registration prior to the approval of a research proposal is provisional and will be made official only when the proposal is approved by the Faculty Higher Degrees Committee.

These procedures will be fully explained to each prospective student during their personal interview.

c.   *Duration:*
A minimum of two years and a maximum of five years. Students have to re-register annually for this qualification.

d.   *Presentation:*
Research

e.   *Structure:*
This qualification consists of a research project in the form of a thesis. Before the final assessment report of the thesis is considered, at least two scientific articles, based on the research and approved by the supervisor, should have been submitted for publication to peer-reviewed journals (preferably accredited). Written proof that the journals have received the article(s) has to be handed in as part of the requirements for the degree. The student has to present a colloquium before submitting the thesis. Students should also successfully defend the thesis before the degree will be conferred.

f. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DTN700T	Thesis: Dental Technology	(2,000)
DTN700R	Thesis: Dental Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7. FACULTY OF THE ARTS

7.1 DEPARTMENT OF DRAMA AND FILM

7.1.1 MAGISTER TECHNOLOGIAE: DRAMA
Qualification code: MTDRS1/MTDR96

Campus where offered:	Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Drama, National Higher Diploma: Drama or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research or block-based classes (for structured option only).

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

ATTENDANCE

ONE OF THE FOLLOWING OPTIONS:

OPTION 1: STRUCTURED (MTDRS1)

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
DRA510T	Research Report: Drama V	(0,500)	Performance Techniques V
DRA510R	Research Report: Drama V (re-registration)	(0,000)	
PFS500T	Performance Techniques V	(0,500)	

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

OPTION 2: RESEARCH (MTDR96)

DRA500T	Dissertation: Drama	(1,000)	
DRA500R	Dissertation: Drama (re-registration)	(0,000)	

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

7.1.2 DOCTOR TECHNOLOGIAE: DRAMA
Qualification code: DTDR96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Drama or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DRA700T	Thesis: Drama	(2,000)
DRA700R	Thesis: Drama (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.1.3 MAGISTER TECHNOLOGIAE: MOTION PICTURE PRODUCTION
Qualification code: MTRO01

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
An applicable Baccalaureus Technologiae or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MPX510T	Dissertation: Motion Picture Production	(1,000)
MPX510R	Dissertation: Motion Picture Production (re-registration)	(0,000)

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

7.1.4 DOCTOR TECHNOLOGIAE: MOTION PICTURE PRODUCTION
Qualification code: DTRO01

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
An applicable Magister Technologiae or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MPX700T	Thesis: Motion Picture Production	(2,000)
MPX700R	Thesis: Motion Picture Production (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.2 DEPARTMENT OF ENTERTAINMENT TECHNOLOGY

7.2.1 MAGISTER TECHNOLOGIAE: PERFORMING ARTS TECHNOLOGY
Qualification code: MTUK96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Performing Arts Technology or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PFG500T	Dissertation: Performing Arts Technology	(1,000)
PFG500R	Dissertation: Performing Arts Technology (re-registration)	(0,000)

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

7.2.2 DOCTOR TECHNOLOGIAE: PERFORMING ARTS TECHNOLOGY
Qualification code: DTUK96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Performing Arts Technology or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PFG700T	Thesis: Performing Arts Technology	(2,000)
PFG700R	Thesis: Performing Arts Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.3 DEPARTMENT OF FASHION DESIGN AND TECHNOLOGY

7.3.1 MAGISTER TECHNOLOGIAE: FASHION
Qualification code: MTFH96

Campus where offered:	Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Fashion or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FAS500T	Dissertation: Fashion	(1,000)
FAS500R	Dissertation: Fashion (re-registration)	(0,000)

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

7.3.2 DOCTOR TECHNOLOGIAE: FASHION
Qualification code: DTFH96

Campus where offered:	Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Fashion or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FAS700T	Thesis: Fashion	(2,000)
FAS700R	Thesis: Fashion (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.4 DEPARTMENT OF FINE AND APPLIED ARTS

7.4.1 MAGISTER TECHNOLOGIAE: FINE ART
Qualification code: MTFE96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Fine Art or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FAR500T	Dissertation: Fine Art	(1,000)
FAR500R	Dissertation: Fine Art (re-registration)	(0,000)

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

7.4.2 DOCTOR TECHNOLOGIAE: FINE ART
Qualification code: DTFE96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Fine Art or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
    A minimum of two years and a maximum of five years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
FAR700T	Thesis: Fine Art	(2,000)
FAR700R	Thesis: Fine Art (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.4.3   MAGISTER TECHNOLOGIAE: TEXTILE DESIGN AND TECHNOLOGY
Qualification code: MTTD97

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
    A Baccalaureus Technologiae: Textile Design and Technology or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
    Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
    A minimum of one year and a maximum of three years.

d. *Presentation:*
    Research

e. *Subject credits:*
    Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
TDE500T	Dissertation: Textile Design and Technology	(1,000)
TDE500R	Dissertation: Textile Design and Technology (re-registration)	(0,000)

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

7.4.4 DOCTOR TECHNOLOGIAE: TEXTILE DESIGN AND TECHNOLOGY
Qualification code: DTTD97

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Textile Design Technology or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
TDE700T	Thesis: Textile Design and Technology	(2,000)
TDE700R	Thesis: Textile Design and Technology (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.5 DEPARTMENT OF PERFORMING ARTS

7.5.1 MAGISTER TECHNOLOGIAE: DANCE
Qualification code: MTDA96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Dance or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DNC500T	Dissertation: Dance	(1,000)
DNC500R	Dissertation: Dance (re-registration)	(0,000)

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

7.5.2 DOCTOR TECHNOLOGIAE: DANCE
Qualification code: DTDA96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Dance or an equivalent qualification.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
DAN700T	Thesis: Dance	(2,000)
DAN700R	Thesis: Dance (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.5.3 MAGISTER TECHNOLOGIAE: MUSICAL THEATRE
Qualification code: MTMT01

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Musical Theatre or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
MST500T	Dissertation: Musical Theatre	(1,000)
MST500R	Dissertation: Musical Theatre (re-registration)	(0,000)

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

7.6   DEPARTMENT OF VISUAL COMMUNICATION

7.6.1   MAGISTER TECHNOLOGIAE: GRAPHIC DESIGN
Qualification code: MTGD99

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Graphic Design, or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GRD500T	Dissertation: Graphic Design	(1,000)
GRD500R	Dissertation: Graphic Design (re-registration)	(0,000)

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

7.6.2 DOCTOR TECHNOLOGIAE: GRAPHIC DESIGN
Qualification code: DTGD99

Campus where offered: Arts Campus

REMARKS

a.   *Admission requirement(s):*
A Magister Technologiae: Graphic Design or an equivalent qualification.

b.   *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c.   *Duration:*
A minimum of two years and a maximum of five years.

d.   *Presentation:*
Research

e.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
GRD700T	Thesis: Graphic Design	(2,000)
GRD700R	Thesis: Graphic Design (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.6.3 MAGISTER TECHNOLOGIAE: INTERIOR DESIGN
Qualification code: MTID96

Campus where offered: Arts Campus

REMARKS

a.   *Admission requirement(s):*
A Baccalaureus Technologiae: Interior Design or an equivalent qualification. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b.   *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c.   *Duration:*
A minimum of one year and a maximum of three years.

d.   *Presentation:*
Research

e.   *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IND500T	Dissertation: Interior Design	(1,000)
IND500R	Dissertation: Interior Design (re-registration)	(0,000)

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

7.6.4 DOCTOR TECHNOLOGIAE: INTERIOR DESIGN
Qualification code: DTID96

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Magister Technologiae: Interior Design or an equivalent qualification. A research proposal must be submitted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of two years and a maximum of five years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
IND700T	Thesis: Interior Design	(2,000)
IND700R	Thesis: Interior Design (re-registration)	(0,000)

TOTAL CREDITS FOR THE QUALIFICATION: **2,000**

7.6.5 MAGISTER TECHNOLOGIAE: PHOTOGRAPHY
Qualification code: MTPG95

Campus where offered: Arts Campus

REMARKS

a. *Admission requirement(s):*
A Baccalaureus Technologiae: Photography or an equivalent qualification. Admission is subject to above-average examination results at the Baccalaureus Technologiae level and a personal interview. A candidate should preferably have passed the subject, Research Methodology, before registering, but must definitely do so before the dissertation will be accepted.

b. *Selection criteria:*
Submission of an acceptable research proposal for approval by the Faculty Higher Degrees Committee. The framework for research proposals is available from the Head of the Department.

c. *Duration:*
A minimum of one year and a maximum of three years.

d. *Presentation:*
Research

e. *Subject credits:*
Subject credits are shown in brackets after each subject.

CODE	SUBJECT	CREDIT
PHT500T	Dissertation: Photography	(1,000)
PHT500R	Dissertation: Photography (re-registration)	(0,000)

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

SECTION B: PHASING OUT QUALIFICATION(S)

1. FACULTY OF HUMANITIES

1.1 DEPARTMENT OF SAFETY AND SECURITY MANAGEMENT

1.1.1 MAGISTER TECHNOLOGIAE: TRAFFIC SAFETY MANAGEMENT
Qualification code: MTTS02

Campus where offered: Soshanguve South Campus

NO NEW REGISTRATIONS FOR THIS QUALIFICATION WILL BE ACCEPTED AS FROM 2012. STUDENTS WHO ARE CURRENTLY REGISTERED FOR THIS QUALIFICATION HAVE UNTIL 2016 TO OBTAIN IT, SUBJECT TO THE STIPULATIONS OF REGULATION 3.1.1 ON THE MAXIMUM DURATION OF STUDY.

Phase-out date: 31 December 2016

CODE	SUBJECT	CREDIT
TSM500T	Dissertation: Traffic Safety Management	(1,000)
TSM500R	Dissertation: Traffic Safety Management Management (re-registration)	(0,000)

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

SECTION C: SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

Syllabus content is subject to change to accommodate emerging industry changes. **Please note:** a more detailed syllabus is available at the department or in the study guide of the applicable subject.

A

ADVANCED COLLECTIVE BARGAINING V (AVC500T) **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Current South African trends, institutions, strikes, parties, wage levels, ILO guidelines. (Total tuition time: ± 48 hours)

ADVANCED COMPUTER APPLICATIONS V (ARA500T) **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
Presentation software such as Art*Lantis, Piranesi, Adobe Photoshop, CorelDRAW. Video editing and multimedia production software. HTML: website design and maintenance (Total tuition time: not available)

ADVANCED CONTROL SYSTEMS V (ESI5010) **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
A selection of advanced control system topics, such as fuzzy control, optimal and multivariable control, robust and non-linear control. (Total tuition time: ± 90 hours)

ADVANCED CRIME INVESTIGATION V (ACG501T) **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Safety and Security Management)
Introductory concepts. The philosophy of investigation and levels of information management. (Total tuition time: not available)

ADVANCED EMBEDDED SYSTEMS V (ESI5011) **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
A selection of advanced embedded system topics, such as multi and co-processor design, real-time and high-speed design. (Total tuition time: ± 90 hours)

ADVANCED LABOUR RELATIONS PRACTICE V (ALC500T) **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Current trends in labour relations, discipline, outsourcing, grievances, equity and ILO guidelines. (Total tuition time: ± 30 hours)

ADVANCED LOCAL GOVERNMENT **1 X 4-HOUR PAPER (OPEN BOOK)**
MANAGEMENT V (ALG501T)
(Subject custodian: Department of Public Management)
A comprehensive in-depth study of the new system of local government and its implementation through integrated development planning. (Total tuition time: ± 100 hours)

ADVANCED POLICE MANAGEMENT V (APB501T) **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Safety and Security Management)
The emphasis is on strategic management and organisation development against the background of the most recent policing strategies, as applied to a police organisation. (Total tuition time: not available)

ADVANCED PRO-ACTIVE POLICING V (CPV511T) **1 X 3-HOUR PAPER**
(Subject custodian: Department of Safety and Security Management)
The emphasis is on the most recent theories on combating and preventing crime. Comparisons are made with approaches followed in developed and developing countries to prevent and combat crime. Particular emphasis is placed on the National Crime Prevention Strategy of the South African Government and the National Crime Combating Strategy followed by the South African Police Service. (Total tuition time: not available)

ADVANCED PUBLIC MANAGEMENT V (APU501T) **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Public Management)
A comprehensive in-depth study of the new system of local government and its implementation through integrated development planning. (Total tuition time: ± 100 hours)

ADVANCED STRATEGIC MANAGEMENT V (AST500T)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of People Management and Development)
The development of strategic management functions with the emphasis on corporate, international and applied principles. (Total tuition time: ± 30 hours)

ARCHITECTURAL DESIGN V (ACH500T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
Design exercises pertaining specifically to housing and community in urban and rural context. Community and building visits (precedent studies). Housing design based on mass-production systems and technology. Research paper relating to a specific field of interest. (Total tuition time: not available)

ARCHITECTURAL MANAGEMENT: CONSTRUCTION   **CONTINUOUS ASSESSMENT**
MATERIALS V (ARM50QT)
(Subject custodian: Department of Architecture)
Metals: steel, stainless steel, titanium, copper, chrome, nickel and their finishes as hi-tech materials. Composite materials: carbon fibre, GRP, etc. Timber: timbers and laminates as both hi-tech and low-tech materials. Membranes: Teflon and fibre-reinforced plastics. Cables and fasteners: cables and accessories for tensile structures and glazing systems. Adhesives: for specialised applications. Earth: PISE (pneumatically impacted stabilised earth). Stone: use as a structural material. (Total tuition time: not available)

ARCHITECTURAL MANAGEMENT: CONSTRUCTION   **CONTINUOUS ASSESSMENT**
METHODS V (ARM50PT)
(Subject custodian: Department of Architecture)
Post-construction analyses: how well a building performs and post-occupancy, user satisfaction surveys. Detailing: performance criteria, evaluation of existing details and generation of model details. Deterioration of buildings: performance criteria, evaluation of details and case studies. Structures: tensile, flat-plate, composite structures, performance during fires and innovative reinforced concrete. Intelligent building: automation and buildings that "learn". Systems of building: certification, standards, etc. Concepts of quality assurance in the production of buildings. Manufacturers' programmes. Indigenous African building methods. (Total tuition time: not available)

ARCHITECTURAL PRACTICE V (AHC500T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
The profession: the council and institutes, legislation, scale of fees, copyright of building plans, ethics and professional conduct. Architectural services and duties: pre-project studies, appraisal and definition of the project, design concept, design development, approval and technical documentation, contract administration and inspection, supplementary services. Managing projects and clients: agreements with clients, agreeing on fees, presenting accounts for services rendered, the architect as the client's principal agent, project programming and familiarisation, directing and reviewing the project, cost-saving techniques, project control and systems, coordination of consultants, keeping in touch, developing client relationships, the second sell. The process of architecture: design and construction documentation, writing effective reports and letters, concept presentation, developing the design, management and documentation, common deficiencies in working drawings, agendas, minutes and meetings. Approvals and applications for relaxation, rezoning and special consent: relationship with statutory authorities, quality of documentation, keeping informed. Post-completion responsibilities: debriefing and job history, the owner's maintenance manual, as-built drawings, post-occupation user satisfaction surveys. (Total tuition time: not available)

B

BUSINESS ANALYSIS V (BUA501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Informatics)
Analysis of different business information systems in companies and the application of different business models in an IT environment. (Total tuition time: not available)

BUSINESS INFORMATION SYSTEMS V (BIF501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Informatics)
Exploring the context of information system applications in IT environments. (Total tuition time: not available)

BUSINESS LAW V (BNL501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
Labor law, contracts, the law of corporations and other business organisations, securities law, antitrust, secured transactions, commercial paper, income tax, pensions and benefits, trusts and estates, immigration law, employment law and bankruptcy. (Total tuition time: ± 80 hours)

BUSINESS MANAGEMENT V (BMN500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
Organisational structures: fundamental principles and strategy, partners and philosophy, potential business, strengths and weaknesses, types of organisations, the business plan. Office accommodation: address and locality, space requirements, equipment requirements and layout, image. Office organisation: communications, stationery, library, administrative files, job files. Managing the business: financial planning and budgets, overheads, finance, value-added tax (VAT), PAYE, personal tax, pensions, etc. Insurance, project control and systems, suppliers, employing staff, the unforeseen and the unfortunate, critical management information. Larger companies: communications and structure, specialisation in design, specialisation in marketing, divisionalisation, losing the spice of life. Managing oneself and one's team: self-management, goal setting, team management and leadership, development of individuals. Time management: attitudes, tools, techniques. Marketing and generating new business: essentials of marketing, targeting by sector, building on one's strengths, filling the gaps, being prepared, selling techniques, indirect promotion, building up one's portfolio. (Total tuition time: not available

BUSINESS MANAGEMENT V (BUG500T)   1 X 3-HOUR PAPER
(Subject custodian: Department of People Management and Development)
Business management principles, including international management, financial management, quality and managerial economics. (Total tuition time: ± 200 hours)

BUSINESS STATISTICS (BUS501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Quantitative methods of data analysis such as descriptive statistics, graphical methods for raw and grouped data, one-sample and two-sample tests and confidence intervals, probability theory and distributions, Pearson's chi-square tests of association, simple and multiple linear regression and correlation analysis, binary logistic regression analysis, the one-way Analysis of Variance, index numbers, financial calculations, and time series analysis will be introduced. Wherever possible, practical demonstrations shall be provided as part of theoretical lessons with the statistical packages Excel, SPSS and STATA. (Total tuition time: ± 36 hours)

BUSINESS STRATEGY (BUT501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Overview of management principles, nature and value of strategic management, the strategic management process, defining the business, analysis of external environment, industry and competitive analysis, internal analysis and company profiles, generic business strategies and industrial environments, strategic analysis and choice. (Total tuition time: ± 36 hours)

C

CAPITA SELECTA V (CEL500T)   1 X 3-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of People Management and Development)
Contemporary burning issues. (Total tuition time: ± 200 hours)

CHANGE MANAGEMENT (CGE501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Application of management principles, business information, the latest technologies, software applications, problem-solving and decision-making, data warehousing, information systems, e-commerce. (Total tuition time: ± 36 hours)

CLINICAL RESEARCH (CRH500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Study design in clinical trials. Biopharmaceutics. Case reports. Good clinical practice (GCP) and good laboratory practice (GLP). (Total tuition time: not available)

COLLOQUIUM V (CQM500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
Students take turns to present lectures on the theory and applications of real analyses with the aid of algebraic manipulators. (Total tuition time: not available)

COMMUNICATION NETWORKS V (COB501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Information Technology)
A study of advanced communication networks. (Total tuition time: not available)

COMMUNITY PHARMACY (CYH500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Principles of pharmaceutical care. Drug information. Human resource management. (Total tuition time: not available)

COMPUTER HARDWARE V (CHH500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
An overview of all the current important terminology, concepts and basics of computing hardware. Hardware support based on MCSE A+ certification. Software support skills relating to the Windows operating system. (Total tuition time: not available)

CONTROL SYSTEMS V (CSY501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
System modelling, discrete-time analysis and digital controller design. (Total tuition time: ± 90 hours)

CONSTRUCTION ECONOMICS V (CEC500T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Building Sciences)
South African property law and taxation, property and facilities management, asset management, investment in capital projects, financing decisions, dividend decisions, property valuation and development. (Total tuition time: ± 180 hours)

CONSTRUCTION MANAGEMENT V (CMN520T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Building Sciences)
Introduction to human resource management strategy, environmental issues, affirmative action, human resource development, productivity, creating a strategic organisation, creating a learning organisation. Human resource development and training, strategic industrial relations management, key success factors and measures, implementation of strategies, performance management. (Total tuition time: ± 180 hours)

CONSTRUCTION MATERIALS V (CSM500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
Metals: steel, stainless steel, titanium, copper, chrome, nickel and their finishes as hi-tech materials. Composite materials: carbon fibre, GRP, etc. Timber: timbers and laminates as both hi-tech and low-tech materials. Membranes: Teflon and fibre-reinforced plastics. Cables and fasteners: cables and accessories for tensile structures and glazing systems. Adhesives for specialised applications. Earth: PISE (pneumatically impacted stabilised earth). Stone: use as a structural material. (Total tuition time: not available)

CONSTRUCTION METHODS V (KME500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
Post-construction analyses: how well a building performs, post-occupancy, user satisfaction surveys. Detailing: performance criteria, evaluation of existing details and generation of model details. Deterioration of buildings: performance criteria, evaluation of details and case studies. Structures: tensile, flat-plate, composite structures, performance during fires and innovative reinforced concrete. Intelligent building: automation, buildings that "learn". Systems of building: certification, standards, etc. Concepts of quality assurance and quality control in the construction and production of buildings. Manufacturers' programmes. Indigenous African building methods. (Total tuition time: not available)

CONTEMPORARY APPROACHES AND ISSUES IN LOCAL   1 X 4-HOUR PAPER (OPEN BOOK)
GOVERNMENT V (CIL501T)
(Subject custodian: Department of Public Management)
Various selected contemporary issues, such as local economic development, key performance indicators and targeted procurement, are studied. (Total tuition time: ± 100 hours)

CONTEMPORARY ISSUES AND APPROACHES IN PUBLIC   1 X 4-HOUR PAPER (OPEN BOOK)
MANAGEMENT V (CIA501T)
(Subject custodian: Department of Public Management)
Various selected contemporary issues, such as local economic development, key performance indicators and targeted procurement, are studied. (Total tuition time: ± 100 hours)

CONTEMPORARY POLICING APPROACHES AND   1 X 4-HOUR PAPER (OPEN BOOK)
ISSUES V (CYI501T)
(Subject custodian: Department of Safety and Security Management)
The impact of change on functional policing is investigated. The Police Service is not an island and policing is not performed in an insular fashion. Constitutionalism, politics, the judiciary, economics and social factors (such as crime tendencies) all play a part in transforming the police. All these factors have an effect on organisational ideology, the individual police officer's occupational personality and, ultimately, on the relations between the police and the public. (Total tuition time: not available)

CONTRACT DOCUMENTATION V (CDO500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
No set syllabus, but this subject is based on the design thesis. It is integrated with Construction Methods V and Construction Materials V to produce a complete set of related working drawings. (Total tuition time: not available)

CONVERSION SYSTEMS V (CVS501T, ESI5027)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Converter theory, electromechanical systems, electric materials, EM field calculation, distribution (non-linear and transient problems, numerical methods, applications), transmission, planning and design. (Total tuition time: ± 90 hours)

D

DATA ENGINEERING V (DEG501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Software Engineering)
AIM/PURPOSE: To introduce the students to the tools and techniques of Data mining, Data warehousing and Knowledge engineering. OBJECTIVES: On completion of the module, the students should be able to apply the various tools and techniques of Data mining, Data warehousing and Knowledge engineering. Introduction to Cloud concepts. KEY TOPICS: Data sampling, modelling, processing, Decision tree induction, Model evaluations, classification tools, Clustering tools association tools, Genetic algorithm, customer-relationship management. (Total tuition time: ± 20 hours)

DEVELOPMENT MANAGEMENT V (DLM500T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Building Sciences)
External environment and stakeholders, the logistics concept, strategic approaches to logistics, operations and material flow, elements of a supply chain, in-bound logistics, production requirements through purchasing, the production system, design and productivity, production planning and control, the impact of inventory on production, inventory management, out-bound logistics, operations management in service industries. (Total tuition time: ± 180 hours)

DIGITAL COMMUNICATION V (ESI5001)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Fourier analysis and filtering, probability and stochastic processes, information theory and entropy, advanced modulation techniques, block and convolutional coding, performance analysis, networking fundamentals, system modelling. (Total tuition time: ± 90 hours)

DIGITAL COMMUNICATIONS V (DCO501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Spectral analysis of common electronic signals: Fourier series and Fourier transform application. Source coding. Channel effect on symbol transmission and inter-symbol interference (ISI) control. Bandpass and multi-level digital modulation: generation, detection, probability of error, bandwidth efficiency, and applications. Channel coding and coding for reliable transmission over the channel. (Total tuition time: ± 90 hours)

DIGITAL CONTROL V (ESI5003)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
System modelling, discrete-time analysis and digital controller design. (Total tuition time: ± 90 hours)

DIGITAL ELECTRONICS V (ESI5002)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Analysis of advanced digital electronic circuits, best practice design and prototyping principles. (Total tuition time: ± 90 hours)

DIGITAL ENTERPRISE V (DEV501T, DEV511T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Informatics)
An analysis of how businesses are changing in the digital era. (Total tuition time: not available)

DISSERTATION: FASHION (FAS500T)   RESEARCH
(Subject custodian: Department of Fashion Design and Technology)
The candidate should produce research in a chosen field that is in, about, or through fashion and related fashion areas, and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical component, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. The research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

DISSERTATION: FINE ART (FAR500T)   RESEARCH
(Subject custodian: Department of Fine and Applied Arts)
The candidate should produce research in a chosen field that is in, about, of or through art or related fields and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical body of work and thus produce practice-based research, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. Research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

DISSERTATION: GRAPHIC DESIGN (GRD500T)   RESEARCH
(Subject custodian: Department of Visual Communication)
The candidate should produce research in a chosen field that is in, about, of or through Visual Communication, and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical component, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. The research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

DISSERTATION: INTERIOR DESIGN (IND500T)   RESEARCH
(Subject custodian: Department of Visual Communication)
The candidate should produce research in a chosen field that is in, about, of or through interior design and related interior design areas, and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical component, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. The research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

DISSERTATION: PHOTOGRAPHY (PHT500T)   RESEARCH
(Subject custodian: Department of Visual Communication)
The candidate should produce research in a chosen field that is in, about, of or through photography and related photographic areas, and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical component, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. The research protocol is controlled by a supervisor. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

DISSERTATION: TEXTILE DESIGN AND TECHNOLOGY (TDE500T)　　　　　**RESEARCH**
(Subject custodian: Department of Fine and Applied Arts)
The candidate should produce research in a chosen field that is in, about, of or through textile design or related fields and should contribute to knowledge production in that field. The research problem, its justification, process and outcome are reported in a dissertation. Should the candidate choose to include a practical body of work and thus produce practice-based research, the outcome of the practical component must be exhibited or presented in a public forum and should comply with the generally accepted norms of research at that level. Research protocol is controlled by an internal supervisor with whom weekly contact is encouraged. In addition, a co-supervisor with expertise in the chosen field of study may be appointed, if necessary. (No formal tuition)

E

ECONOMIC APPROACHES TO LOCAL DEVELOPMENT (EAL501T)　　　**1 X 3-HOUR PAPER**
(Subject custodian: Department of Economics)
Exploring the conditions for economic development, focusing on innovation systems theory. (Total tuition time: ± 34 hours)

ELECTRICAL MACHINES AND DRIVES V (EEM501T)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Electrical machines modelling and analysis, dynamic and transient analysis of electrical machines, design of electrical machines, vector control of asynchronous machines, electronically commutated machines, special electrical machines (switch reluctance motors, permanent magnet machines, electrical actuators, etc.). (Total tuition time: ± 90 hours)

EMBEDDED SYSTEMS V (EDD501T, ESI5004)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
VHDL and FPGA design and real-time DSP implementation. (Total tuition time: ± 90 hours)

ENERGY SYSTEMS AND TECHNOLOGY V (EGS501T)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Modelling of alternative energy sources and corresponding technological options. (Total tuition time: ± 90 hours)

ENGINEERING ANALYSIS V (EAN501T)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Signal spaces, mappings, deterministic signal theory, stochastic signal theory. (Total tuition time: ± 90 hours)

ENGINEERING BUSINESS DYNAMICS V (EBU501T)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Industrial Engineering)
Fundamentals of system dynamics, system thinking, and utilisation of stock's, flows and causal loops diagram when drawing a system dynamics module. Stella software is used to draw the module. (Total tuition time: ± 80 hours)

ENGINEERING DATA ANALYSIS V (EDY501T)　　　　　**CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Industrial Engineering)
Innovation, decision making and engineering data analysis tools are discussed to ensure effective problem solving skills. (Total tuition time: ± 80 hours)

ENTREPRENEURSHIP TECHNIQUES VA (ETQ50AT)　　　**1 X 4-HOUR PAPER (OPEN BOOK**
(Subject custodian: Department of Management and Entrepreneurship)
The integration of entrepreneurship techniques to identify and establish general postulates or principles underlying the enabling business environment. Specific topics of interest include entrepreneurial education and research, network management, ownership and entrepreneurial qualities, entrepreneurship ranking, entrepreneurial behaviour and motivation, and information processing. (Total tuition time: ± 54 hours)

ENTREPRENEURSHIP TECHNIQUES VB (ETQ50BT)   **PROJECT**
(Subject custodian: Department of Management and Entrepreneurship)
Compare and integrate various entrepreneurial processes and theories that surround an entrepreneurial initiative and apply it to different business contexts. The content includes entrepreneurial relationship, resource-based, and cognitive theories. The theories are synthesised and applied to the process of entrepreneurial behaviour and innovation, business clustering, business planning and business development. (Total tuition time: ± 54 hours)

ENVIRONMENTAL ACCOUNTING V (ECC500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Accounting theories. Cost-benefit analysis. Application in terms of life cycles. (Total tuition time: not available)

ENVIRONMENTAL CHEMISTRY V (ENC500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Environmental engineering. Soil chemistry. Advanced atmospheric and water chemistry. Advanced hazardous waste and legislation. (Total tuition time: not available)

ENVIRONMENTAL LEGISLATION V (ELE500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Application of environmental legislation. Advanced environmental impact study. Environmental management programmes and applied case studies. (Total tuition time: not available)

ENVIRONMENTAL MANAGEMENT (EMG511T)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Business School)
Introduction to environmental management; Environmental legislation; ISO14000; Environmental Impact assessment; risk assessment; cleaner production; environmental auditing; responsible care; Environmental training and awareness; and Environmental ethics. (Total tuition time: ± 36 hours)

ENVIRONMENTAL MANAGEMENT V (EMG500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Applied environmental management concepts and applications. (Total tuition time: not available)

ENVIRONMENTAL RISK ASSESSMENT V (ERA500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Assessment of risk, hazard identification, risk characterisation. Management of risk, consideration of management option, risk communication, control decision, monitoring. (Total tuition time: not available)

EVALUATION AND APPLICATION OF CALT   **CONTINUOUS ASSESSMENT**
PROGRAMMES V (EAS500T)
(Subject custodian: Department of Applied Languages)
Evaluation categories and principles, learning principles in CALT, types of programmes (drills, tutorials, simulations, games, hybrids), cooperative learning and CALT strategies, multimedia and hypermedia. (Total tuition time: not available)

F

FINANCE FOR ENTREPRENEURS V (FFE501T)   **1 X 3-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Management and Entrepreneurship)
Students acquire the skills to evaluate the financial sustainability of a business. (Total tuition time: not available)

FINANCIAL ASPECTS OF LOCAL DEVELOPMENT (FLD501T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of Economics)
The role of the financial system in the process of local economic development. Policy instruments used to strengthen the financial support to the development process. (Total tuition time: ± 34 hours)

FINANCIAL MANAGEMENT (FMN511T)   **1 X 3-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Business School)
South African taxation system, time value of money, financial statement analysis and interpretation, working capital management, investment in capital projects, financing decisions, dividend decisions, business valuation, mergers and take-overs. (Total tuition time: ± 36 hours)

FINANCIAL MANAGEMENT FOR THE PUBLIC SECTOR V (FMF501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Public Sector Finance)
The implications for and the responsibilities of the public manager in terms of the Public Finance
Management Act, including the compilation and management of budgets. The particular aim is to
enable students to manage their areas of responsibility in order to reach higher levels of efficiency and
effectiveness. (Total tuition time: ± 100 hours)

FOUNDATION OF LABOUR RELATIONS THEORY V (FLR500T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Free enterprise, Dunlop, Chamberlain, Marxism, socialism, democracy and ILO objectives. (Total tuition
time: ± 160 hours)

FRENCH LANGUAGE SKILLS (ESI5007)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Conversational French for beginners. (Total tuition time: ± 80 hours)

G

GEOHYDROLOGY V (GEH500T)   **1 X 4-HOUR PAPER**
(Subject custodian: Department of Environmental, Water and Earth Sciences)
Advanced hydrochemistry, analysis of the appearance and movement of groundwater. Seminars and self-
study. (Total tuition time: not available)

H

HIGH-FREQUENCY SYSTEMS V (ESI5005, HFS501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
HF system fundamentals and analysis, measurement principles and propagation models. (Total tuition time:
± 90 hours)

HUMAN COMPUTER INTERACTION V (HCA501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Web and Multimedia Computing)
The aim of this subject is to gain advanced knowledge of Human Computer Interaction design and
development. Contents include usability goals, usability design and principles, the process of interaction
design, prototypes, usability engineering life-cycle model, data gathering, understanding users, activity,
designing for collaboration and communication, affective aspects, persuasive technologies, identifying
needs and establishing requirements, design, prototyping and construction, introducing evaluation, usability
testing and field studies. (Total tuition time: ± 20 hours)

HUMAN RESOURCE MANAGEMENT FOR THE PUBLIC SECTOR V (RES501T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of Public Management)
The strategic approach to public personnel management and the effect of external and global environments,
human resource planning, job analysis and job design. Affirmative action, equity and performance
management are some of the key issues. (Total tuition time: ± 100 hours)

HUMAN RESOURCE MANAGEMENT IN POLICING V (PUG511T)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Safety and Security Management)
A study of the strategic approach to public personnel management and the effect of external and global
environments, human resource planning, job analysis and job design. Affirmative action, equity and
performance management are some of the key issues. (Total tuition time: not available)

HUMAN RESOURCES MANAGEMENT (HRM511T)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Business School)
Introduction to human resource management strategy, environmental issues, affirmative action, human
resource development, productivity, creating a strategic organisation, creating a learning organisation.
Human resource development and training, strategic industrial relations management, key success factors
and measures, implementation of strategies, performance management. (Total tuition time: ± 36 hours)

IMAGE ANALYSIS V (ESI5012)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Image formation, frequency domain analysis, neighbourhood processing, texture, segmentation, shape, feature extraction, transformation and classification. (Total tuition time: ± 90 hours)

IMAGE ANALYSIS SYSTEMS V (IAS501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Image formation, frequency domain analysis, neighbourhood processing, texture, segmentation, shape, feature extraction, transformation and classification. (Total tuition time: not available)

INDUSTRIAL MATHEMATICS V (ILM500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
The contents depend on the availability of instructors and demand from regional industry (such as wavelets, futures and derivatives, applied graph theory or calculus of variations, etc). (Total tuition time: not available)

INFORMATION SECURITY V (ITU501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Information Technology)
Advanced network security is covered in this subject. (Total tuition time: not available)

INFORMATION STUDIES FOR THE PUBLIC SECTOR V (IFU501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Public Management)
The emphasis is on obtaining, processing and analysing data, the processing of data in various systems, and the interaction that takes place between such systems. (Total tuition time: ± 100 hours)

INFORMATION STUDIES IN POLICING V (IFT511T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Safety and Security Management)
The emphasis is on obtaining, processing and analysing data, the processing of data in various systems and the interaction that takes place between such systems. (Total tuition time: not available)

INNOVATION IN IT V (III501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Computer Science)
Principles of innovation in organisations. Application of IT for effective innovation. Principles of standardisation in IT. Innovation in relation to standardisation. (Total tuition time: not available)

INTELLECTUAL PROPERTY MANAGEMENT V (IMP501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
Intellectual property development, protection, marketing and exchange are discussed. These aspects are linked to business success. In order for business to achieve growth plans, business should have a strong IP Portfolio. (Total tuition time: ± 80 hours)

INTERNATIONAL FINANCING (INF501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Overview and structure, harmonisation of financial reporting, international financial systems, spot planning and forward planning, trade finance, forex risk management, international trade and investment, structuring offshore operations, joint ventures, accounting and tax perspectives, evaluation of direct overseas investment opportunities, financial management of multinationals. (Total tuition time: ± 36 hours)

INTERNATIONAL MANAGEMENT (INM501T)   1 X 4-HOUR PAPER
(Subject custodian: Business School)
Differences between countries, international trade, foreign direct investment, economic integration, global monetary systems, international strategy and structure, multinationals and global alliances, importing, exporting and international marketing, global human resource management and global financial management. (Total tuition time: ± 36 hours)

INTERNSHIP (IER501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Practical exposure to policy design and implementation in relevant government departments or NGOs. This will enable students to bring the theoretical aspects of the programme to an unfamiliar workplace and to critically assess current practices. (Total tuition time: ± 34 hours)

INTRODUCTION TO ENGLISH (TTE501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
The main aim of this course is to ensure that students are sufficiently proficient in English so as to be able to follow lectures, read prescribed and recommended material and write exams and reports. (Total tuition time: not available)

INTRODUCTORY COURSE (TRO501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
This part of the programme consists of an introduction to the programme in order to ensure that students enter the programme fully aware of its requirements and are well prepared. (Total tuition time: not available)

IT LAW V (ITW501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Informatics)
Interpretation and implementation of Bills and Acts relevant to the IT industry, e.g. Electronic Communication and Transaction Act and Access to Information and Privacy Acts. (Total tuition time: not available)

IT SERVICES AND PROJECTS V (SPV501T, SPV511T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Informatics)
Understanding the character of managing IT department offerings. (Total tuition time: not available)

K

KNOWLEDGE TECHNOLOGIES V (KNT501T, KNT511T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Informatics)
Knowledge engineering and technologies underpinning knowledge systems, such as decision support systems, group support systems, expert systems, data warehousing, data mining, document management and information searches. (Total tuition time: not available)

L

LEGAL APPROACHES TO LOCAL DEVELOPMENT (LAL501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Underlying legal concepts in local development and laying the foundation for exploring the organisation and functions of the different levels of government and administration. Focus on the organisation of local government from a comparative perspective, with particular focus on the constitutional frameworks and institutions of the countries of southern Africa as re-shaped in the transitional period of the 1990s. The legal basis for trans-border cooperation in the southern Africa region and the outlook of the progressive embodiment of traditional law in modern constitutional systems will be studied. (Total tuition time: ± 34 hours)

LIFE CYCLE MANAGEMENT V (LCY501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
Total quality, asset and environmental management integration in managing the organisation effectively (Total tuition time: ± 80 hours)

LOCAL DEVELOPMENT AND ENTREPRENEURSHIP POLICIES (DEP501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Definition of the concept of entrepreneurship by paying special attention to the specificity of contexts within which entrepreneurship becomes manifest, the different types and roles of entrepreneurship and the role of institutions in determining which features prevail. Barriers to entrepreneurship and the relevant policy implications. Distribution of SMMEs. Underground economy and organised criminality. (Total tuition time: ± 34 hours)

M

MACHINE INTELLIGENCE V (ESI5013, MII501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Supervised learning (Bayesian classification, linear classifiers, non-linear classifiers, including neural networks and support vector machines), unsupervised learning and special topics, such as genetic algorithms and swarms and ants optimisation. (Total tuition time: ± 90 hours)

MANAGEMENT V (ESI5006)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Project management, marketing, business strategies, financial planning, new product development and engineering research methodology. (Total tuition time: ± 90 hours)

MANAGEMENT OF DIVERSITIES IN SOCIETIES (MVS501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Examining the challenges of the pluralistic society for local development. Regulation and management of diversities and relations in plural societies with an emphasis on the regulation and management of ethnic relations and the prevention, management and resolution of conflicts. Concepts related to identifying difference and diversity and their implications for local development. Students will be equipped with conceptual frameworks, skills and strategies for managing these differences to create opportunities for local development. (Total tuition time: ± 34 hours)

MANAGEMENT OF TECHNOLOGY (MTH501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Introduction to the management of technology, managing technology, technology strategy, innovation and creativity, technology planning and project management, research and development, transfer of technology, entrepreneurship, information management, international trends. (Total tuition time: ± 36 hours)

MANAGERIAL ECONOMICS (MNE501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Economic model of the firm, revenue and demand analysis, elasticity, production cost and analysis, estimation demand and cost, profitability analysis, profit maximisation, market structure and competition, pricing strategies, decision and risk analysis. (Total tuition time: ± 36 hours)

MANAGERIAL FINANCE (MGF501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Objectives of managerial finance, cost analysis and behaviour patterns, costing systems and cost allocation, budget planning and control, decision-making, performance budget planning and control, performance appraisal through statement analysis, activity-based accounting, strategic management accounting and control. (Total tuition time: ± 36 hours)

MARKETING MANAGEMENT (MMB501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Overview, market segmentation, market information and research, product strategy, pricing strategy, distribution strategy, sales and selling, promotion strategy, planning and strategies. (Total tuition time: ± 36 hours)

MATHEMATICAL TECHNOLOGY: LABORATORY PROJECT (A) V (MTP50AT)   PROJECT
(Subject custodian: Department of Mathematics and Statistics)
This practical subject must be undertaken simultaneously with any two of the theoretical subjects stated above. Experiments employing both numeric and symbolic computation and using software such as Derive, MATLAB, Mathematica, Scientific Workplace, etc. are carried out, which demonstrate investigations of a deeper nature than would be possible in either of the two subjects. A project report is to be submitted for examination. (Total tuition time: not available)

MATHEMATICAL TECHNOLOGY: LABORATORY PROJECT (B) V (MTP50BT)   PROJECT
(Subject custodian: Department of Mathematics and Statistics)
This practical subject is to be taken simultaneously with any two of the theoretical subjects not covered in Laboratory Project (A). Experiments employing both numeric and symbolic computation and using software, such as Derive, MATLAB, Mathematica, Scientific Workplace, etc., are carried out, which demonstrate investigations of a deeper nature than would be possible in either of the two subjects. A project report of a deeper nature than that of "Mathematical Technology: Laboratory Project (A) V" is to be submitted for examination. (Total tuition time: not available)

MEDICINE GOVERNANCE (MGE500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
National drug policies. Drug regulation in South Africa. Regulation of complementary medicines, veterinary medicines and medical devices. (Total tuition time: not available)

NETWORK SYSTEMS V (NSY500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mechanical Engineering)
Networking hardware basics and terminology. Operating system set-up for networking. Data security. Maintaining networks. Software support skills (network-related) for Windows 2000 Professional and Windows XP. (Total tuition time: not available)

NEURAL NETWORKS V (NEU501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Computer Systems Engineering)
Genetic algorithms and the application of neural networks in different environments. (Total tuition time: not available)

NUMERICAL ANALYSIS V (NAS500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
Interpolation polynomials, numerical differentiation and integration, Runge-Kutta type methods, error analysis. (Total tuition time: not available)

NUMERICAL LINEAR ALGEBRA V (NLA500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
Methods of solving systems of not necessarily linear equations, error analysis, difference equations and finite element methods. (Total tuition time: not available)

O

OPERATIONS MANAGEMENT (OPE501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
External environment and stakeholders, the logistics concept, strategic approaches to logistics, operations and material flow, elements of a supply chain, inbound logistics, production requirements through purchasing, the production system, design and productivity, production planning and control, the impact of inventory on production, inventory management, outbound logistics, operations management in service industries. (Total tuition time: ± 36 hours)

ORDINARY NONLINEAR DIFFERENTIAL EQUATIONS V (ONL500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
Not necessarily linear ordinary differential equations are studied. (Total tuition time: not available)

ORGANISATIONAL BEHAVIOUR (OBE501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Introduction and organisational behaviour concepts, communication, leadership, conflict, problem-solving and decision-making, performance management, job and organisational design, organisational development. (Total tuition time: ± 36 hours)

ORGANISATIONAL LEADERSHIP V (OHI500T)   1 X 3-HOUR PAPER
(Subject custodian: Department of People Management and Development)
Leading of organisational behaviour. Leading of effective organisations. Integration and analysis of organisational behaviour. (Total tuition time: ± 175 hours)

ORGANISATION DEVELOPMENT FOR THE PUBLIC SECTOR V (ODV501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Public Management)
South African managers often lack critical knowledge of the behavioural dynamics that exist in organisations. One of the most important reasons for this is the inability to present subject matter holistically; in other words, to create an understanding of the interrelated nature and need for support between the different components and the modules of which they form part. The approach in this module is to present and explain the dynamics in organisations, while allowing students to apply those dynamics in their own organisations. (Total tuition time: ± 100 hours)

ORGANISATION DEVELOPMENT IN POLICING V (ODP511T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Safety and Security Management)
South African managers often have a critical lack of knowledge of the behavioural dynamics that exist in organisations. One of the most important reasons for this is an inability to present subject matter holistically; in other words, to create an understanding of the interrelated nature and need for support between the different components and the department of which they form a part. The approach in this module is to present and explain the dynamics in organisations, while allowing students to apply those dynamics in their own organisations. (Total tuition time: not available)

P

PARTIAL DIFFERENTIAL EQUATIONS V (PDQ500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Mathematics and Statistics)
Dirichlet, Neumann, mixed boundary value problems and Sturm-Liouville theory. (Total tuition time: not available)

PERFORMANCE TECHNIQUES V (PFS500T)   PRACTICAL ASSESSMENT
(Subject custodian: Department of Drama and Film)
A structured process of theoretical research and practical experimentation culminating in a practical presentation/application. (Total tuition time: ± 60 hours)

PERSONAL LEADERSHIP V (PHI500T)   1 X 3-HOUR PAPER
(Subject custodian: Department of People Management and Development)
The importance of personal leadership and factors influencing the leadership process, and leadership principles are explored, such as vision, morale, human relations, understanding others, increasing effectiveness and developing others. (Total tuition time: ± 96 hours)

PHARMACEUTICAL PRODUCTION (PRU500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Formulation of dosage forms. Establishing the quality of pharmaceutical products. Packaging and labelling of pharmaceuticals. (Total tuition time: not available)

PHARMACO-ECONOMICS (PHN500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Pharmaceutical Sciences)
Basic economic concepts. Efficiency concepts. Economic evaluations. Drug utilisation reviews. (Total tuition time: not available)

PLANNING AND PRODUCTION OF CALT PROGRAMMES V (PCN500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Applied Languages)
Creating and authoring software packages, the production team and process, task analysis and storyboarding, the management and implementation of CALT, computerised testing and evaluation. (Total tuition time: not available)

POLICY STUDIES FOR THE PUBLIC SECTOR V (PLY501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Public Management)
The emphasis is on policy-making and the processes that precede the approval and adoption of defined policy as a policy or documentation. Implementation is discussed and the infrastructure of the country is examined to determine whether such a policy can be executed. Finally, the outcome is evaluated to determine whether the process and implementation have been successful. (Total tuition time: ± 100 hours)

POLICY STUDIES IN POLICING V (POS511T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Safety and Security Management)
The emphasis is on policy-making and the processes that precede the approval and adoption of defined policy as a policy or documentation. Implementation is discussed and the infrastructure of the country is examined to determine whether such policies are feasible. Finally, the outcome is evaluated to determine whether the process and implementation have been successful. (Total tuition time: not available)

POWER ANALYSIS V (PWN501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Power flow analysis, stability analysis of power systems, control of power systems. (Total tuition time: ± 90 hours)

POWER SYSTEMS V (PWS501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Generation theory, transmission and distribution theory, interconnection of power systems. (Total tuition time: ± 90 hours)

PRE-PROGRAMME (RAM501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
It is assumed that entrants to this programme will usually be proficient in only one of the foundation disciplines. The aim of this component of the qualification is therefore to train students in the fundamentals of the four foundation disciplines so as to ensure that a common disciplinary language base exists prior to entering the core programme. (Total tuition time: not available)

PROFESSIONAL SYSTEMS ENGINEERING V (PRV511T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Computer Science)
Knowledge and skills required to manage the development of IS by using workgroup products, ERP systems, customer relations, supply chain and quality management. (Total tuition time: not available)

PROJECT MANAGEMENT (PJG511T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Objectives of project management, planning projects, estimating for control, project organisation, project control. (Total tuition time: ± 36 hours)

PROJECT MANAGEMENT (PJG521T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Designing, developing and evaluating programmes and presenting them effectively orally and in writing. (Total tuition time: ± 34 hours)

PROJECT MANAGEMENT V (PJG501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Department of Safety and Security Management)
Outcomes of programme and project management with the emphasis on planning programmes and projects, estimating for control, programme and project organisation and programme and project control, with the emphasis on applying programme and project management in the public sector. (Total tuition time: not available)

PROJECT MANAGEMENT FOR THE PUBLIC   1 X 4-HOUR PAPER (OPEN BOOK)
SECTOR V (POJ501T)
(Subject custodian: Department of Public Management)
The outcomes of programme and project management focus on planning programmes and projects, estimating for control, programme and project organisation, and programme and project control, with the emphasis on applying programme and project management in the public sector. (Total tuition time: ± 100 hours)

PUBLIC FINANCIAL MANAGEMENT V (PFN501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Public Sector Finance)
A study of the implications for and the responsibilities of the public manager in terms of the Public Finance Management Act, including the compilation and management of budgets. The particular aim is to enable students to manage their areas of responsibility to reach higher levels of efficiency and effectiveness. (Total tuition time: not available)

Q

QUALITY MANAGEMENT (QMG501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
The challenge of quality, management vs. quality management, total quality management, improvement: steps, techniques and philosophies. Statistical principles and techniques, documentation systems, enhancing management for quality (planning, organising, leading, controlling), growth, technology and innovation, process and document ownership, ISO 900. (Total tuition time: ± 36 hours)

QUANTITY SURVEYING V (QSU510T)   **2 X 4-HOUR PAPER (PRESCRIBED OPEN BOOK)**
(Subject custodian: Department of Building Sciences)
Objectives of project management, planning projects, estimating for control, project organisation, project control. Project management services in the context of a professional quantity surveying practice, construction management, project administration, project monitoring and quality inspection of construction works. (Total tuition time: ± 180 hours)

R

REAL-TIME SIGNAL PROCESSING V (ESI5014)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Advanced signal processing concepts (adaptive filtering, multirate processing and wavelets, filter banks etc.) with the emphasis on real-time DSP implementation. (Total tuition time: ± 90 hours)

REAL-TIME SYSTEMS V (RTS501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Advanced signal processing concepts (adaptive filtering, multirate processing and wavelets, filter banks, etc.) with the emphasis on real-time DSP implementation. (Total tuition time: ± 90 hours)

REGIONAL INTEGRATION AND MULTILEVEL GOVERNANCE (RIG501T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of Economics)
Evaluating and understanding the economic, legal, political and social implications and the contributions of the process of regional integration and multi-level governance to local development. (Total tuition time: ± 34 hours)

RESEARCH DISSERTATION (DIS501T)   **DISSERTATION**
(Subject custodian: Business School)
Writing the dissertation. The foundation of the dissertation is the Research Methodology module. (Total tuition time: no formal tuition)

RESEARCH IN BUSINESS INFORMATION SYSTEMS V (RMD511B)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Informatics)
It covers the basics of paradigms, methodologies, and techniques of research. Also how to conceptualise and plan research, and structure and complete a research-based project in the form of a dissertation or thesis. It provides a holistic overview of the research process and practical methods of implementing the knowledge obtained in the business information systems industry or environment. (Total tuition time: not available)

RESEARCH IN INFORMATION NETWORKS V (RMD511C)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Computer Science)
AIM/PURPOSE: To introduce the basics of paradigms, methodologies, and techniques of scientific research. OBJECTIVES: To provide a holistic overview of the research processes, be able to write a good research proposal and to implement it into a form of a dissertation. (Total tuition time: ± 20 hours)

RESEARCH IN PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY V (RMD511D)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Computer Science)
It covers the basics of paradigms, methodologies, and techniques of research. Also how to conceptualise and plan research, and structure and complete a research-based project in the form of a dissertation or thesis. It provides a holistic overview of the research process and practical methods of implementing the knowledge obtained in the information technology industry or environment. (Total tuition time: not available)

RESEARCH METHODOLOGY (RMD100T)   **1 X 3-HOUR PAPER**
(Subject custodians: Departments of People Management and Development)
Students acquire the skills to use research statistics and complete research projects. (Total tuition time: ± 64 hours)

RESEARCH METHODOLOGY (RMD101C)   **1 X 3-HOUR PAPER**
(Subject custodian: Business School)
Research in business, scientific thinking, the research process, the research proposal, ethics in research, design strategies, measurement, scaling design, sampling design, secondary data sources. Surveying methods: communication with respondents, instruments for respondents, communication, observational studies, experimentation, data preparation and preliminary analysis, hypothesis testing, measures of association, multivariate analysis. Presenting results: written and oral reports. (Total tuition time: ± 36 hours).

RESEARCH METHODOLOGY (RMD110H)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Building Sciences)
Study designs, proposal writing, sample size and power calculations, descriptive and univariate methods of data analysis such as descriptive statistics and graphs, one-sample tests and confidence intervals, two-sample tests and confidence intervals, Pearson's chi-square tests of association, multivariate methods of data analysis such as simple and multiple linear regression analysis, logistic regression analysis, qualitative research methods, use of commonly used statistical packages such as STATA, SPSS, NVIVO and ATLAS for quantitative and qualitative data analysis. (Total tuition time: ± 36 hours)

RESEARCH METHODOLOGY (RMD500C)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Pharmaceutical Sciences)
Qualitative and quantitative research. Protocol writing. Report writing. Basic statistics. (Total tuition time: not available)

RESEARCH METHODOLOGY (RMD500D)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
Research methodology: scope and nature of the dissertation, administrative procedures, research topics, the problem and its setting, research proposals, applications for funding, research protocols and research planning. Design as a problem-solving process: formulation of design principles, solving conflicting requirements, precedent studies, design thinking and the evaluation of design. Technical structure of a dissertation: format, layout, numbering system, typography, bibliography and referencing. (Total tuition time: not available)

RESEARCH METHODOLOGY (RMD501C)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Research methods and approaches, information-gathering approaches, writing research reports. (Total tuition time: ± 45 hours)

RESEARCH METHODOLOGY A (RMD50AE)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Management and Entrepreneurship)
The purpose of this instructional offering is to prepare students to write dissertations. (Total tuition time: not available)

RESEARCH METHODOLOGY B (RMD50BE)   **1 X 4-HOUR PAPER (OPEN BOOK)**
(Subject custodian: Department of Management and Entrepreneurship)
The purpose of this instructional offering is to prepare students to write dissertations. (Total tuition time: not available)

RESEARCH METHODOLOGY V (RMD500B)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Methodology of research, strategies, specialist research. (Total tuition time: ± 200 hours)

RESEARCH METHODS IN LOCAL GOVERNMENT V (RML500T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Public Management)
An extension of the methodology that was covered in the Baccalaureus Technologiae studies pertaining to topics, such as concepts and processes, quantitative and qualitative approaches, and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports in the context of local government. (Total tuition time: ± 200 hours)

RESEARCH METHODS IN POLICING II (RMP200T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Safety and Security Management)
The objective is to expand the methodology covered during the Baccaleureus Technologiae studies in topics, such as concepts and processes, quantitative and qualitative approaches, and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports. (Total tuition time: not available)

RESEARCH METHODS IN PUBLIC MANAGEMENT V (RMI500T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Public Management)
An extension of the methodology that was covered in the Baccaleureus Technologiae studies pertaining to topics, such as concepts and processes, quantitative and qualitative approaches, and observation and survey techniques. This will equip students with the necessary skills to submit research proposals and write research reports in the context of local government. (Total tuition time: ± 100 hours)

RESEARCH PROJECT (CLD501T)   PROJECT
(Subject custodian: Department of Economics)
Analysis, research and experience are combined to produce an original and innovative project for local development in southern Africa or other areas in transformation. The students' ability to research, apply and elaborate on the knowledge and technical expertise they acquired during the taught component of the programme is developed. (Total tuition time: not available)

RESEARCH REPORT: ARCHITECTURAL TECHNOLOGY   CONTINUOUS ASSESSMENT
TECHNOLOGY: RESEARCH METHODOLOGY V (ATG50PT)
(Subject custodian: Department of Architecture)
Research methodology: scope and nature of the dissertation, administrative procedures, research topics, the problem and its setting, research proposals, applications for funding, research protocols and research planning. Technical structure of a dissertation, format, layout, numbering system, typography, bibliography and referencing. (Total tuition time: not available)

RESEARCH REPORT: ARCHITECTURAL TECHNOLOGY: CONTINUOUS ASSESSMENT
TECHNOLOGY: TECHNOLOGY V (ATG50QT)
(Subject custodian: Department of Architecture)
The dissertation involves the investigation of a relevant research problem. (Total tuition time: not available)

RESEARCH REPORT: ARCHITECTURE: PROFESSIONAL V (ATG510T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Architecture)
Appraisal and definition: clarifying the problem statement and design objectives, formulating functional relationships, collecting information on the state of the art, formulating requirements and needs. Design concept: searching for conceptual solutions, producing alternative concepts, evaluating alternative solutions, determining the final conceptual form. Building design: producing a refined design, producing alternatives, technical evaluation, selecting the final design for detailed formulation. (Total tuition time: not available)

RESEARCH REPORT: MATHEMATICAL TECHNOLOGY V (MAY501T)   RESEARCH
(Subject custodian: Department of Mathematics and Statistics)
This could, for example, cover work extending results from the respective laboratory projects or it could be a completely new project incorporating the use of available technology, such as Derive, MATLAB, Mathematica and Scientific Workplace. The project must demonstrate the student's ability to produce publishable research articles and/or artefacts in mathematical technology. It may be undertaken only on successful completion of four of the six theoretical subjects and the two laboratory projects listed above. (Total tuition time: not available)

RF DESIGN V (ESI5009)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
RF component design principles and analysis. (Total tuition time: ± 90 hours)

S

SCIENTIFIC COMPUTING V (ESI5026, SII501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Scientific computing fundamentals, simulation, C++, Matlab, Simulink and Scilab. (Total tuition time: not available)

SIGNAL THEORY V (ESI5021)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Signal spaces, mappings, deterministic signal theory and stochastic signal theory. (Total tuition time: ± 90 hours)

SOCIO-POLITICAL APPROACHES TO LOCAL DEVELOPMENT (SAL501T) **1 X 3-HOUR PAPER**
(Subject custodian: Department of Economics)
An orientation to the alternative socio-political theoretical and conceptual explanations of the process of development and the differing international, national and regional factors affecting local development. (Total tuition time: ± 34 hours)

SOFTWARE ENGINEERING V (ESI5022)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Software engineering fundamentals, UML design principles and operating system basics. (Total tuition time: ± 90 hours)

SOFTWARE ENGINEERING V (SFE501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Software Engineering)
Development of high-level business processes by using UML, cost and risk management and team organisation. (Total tuition time: not available)

SPECIAL TOPICS I (ESI5023, SEI501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Special topics based on a selection of seminal research papers from a chosen field. (Total tuition time: ± 90 hours)

SPECIAL TOPICS II (ESI5024)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Special topics based on a selection of seminal research papers from a chosen field. (Total tuition time: ± 90 hours)

SPECIAL TOPICS III (ESI5025)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Special topics based on a selection of seminal research papers from a chosen field. (Total tuition time: ± 90 hours)

SPECIFICATION V (SFN500T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
Purpose and use of specifications. Formats of specifications. Compilation of a specification document from standard clauses. Writing specification clauses. Specification as part of the legal framework. (Total tuition time: not available)

STRATEGIC BUSINESS ANALYSIS AND MODELLING V (SBG500T) **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Informatics)
Exploring issues surrounding the application of IT in order to define and implement strategic objectives. Reflecting on the purpose of strategic analysis, strategic planning and the application of tools and techniques during this process. (Total tuition time: not available)

STRATEGIC LABOUR RELATIONS MANAGEMENT V (SLT500T) **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Environmental influences, politics, union ideologies, globalisation, workforce shifts and HIV/Aids. (Total tuition time: ± 40 hours)

STRATEGIC LEADERSHIP V (SHI500T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
Incorporating personal leadership, strategic management and the principles of change management to facilitate the emergence of true strategic leadership. Concepts are explored, such as the nature of strategic and organisational change, uncertainty, the learning organisation and complexity. (Total tuition time: ± 175 hours)

SUPPLY CHAIN MANAGEMENT V (SPP501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
This is about engineering inventory planning and control, linking materials requirement planning and entity resource planning with increasing customer service excellence. Integrating just in time, warehousing and technology with supplier management to optimise logistics engineering and taking care of risks. (Total tuition time: ± 80 hours)

SUSTAINABLE LOCAL DEVELOPMENT (SLV501T)   1 X 3-HOUR PAPER
(Subject custodian: Department of Economics)
Highlighting the basic concepts in sustainable development by drawing out certain policy implications. Special attention is devoted to the general concepts and methodological issues, but empirical examples will also be discussed. (Total tuition time: ± 34 hours)

SUSTAINABILITY DEVELOPMENT V (SUV501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
Introduction of sustainability in the engineering environment, matching of finance and technology to sustainability, profitable and environmentally friendly technologies and alternative energy systems, incorporating ethical dimensions and social awareness. Efficient design of products and services, with case studies and exercises. (Total tuition time: ± 80 hours)

SYSTEMS ENGINEERING SOLUTIONS V (SOL501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Computer Science)
AIM/PURPOSE: To introduce students to the various aspects of SOA. OBJECTIVE: On completion of the module, the students should acquire the knowledge and skills required to manage an SOA project. Have an understanding of the security concerns, activity management, composition, transaction management, and Service modelling. (Total tuition time: ± 20 hours)

T

TASK MANAGEMENT V (TKM501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Informatics)
Students acquire the knowledge and skills to handle the uncertainty of task management with specific reference to the features of information systems projects. Assessment of human behaviour and communication. (Total tuition time: not available)

TECHNOLOGICAL ENTREPRENEURSHIP (TNO501T)   1 X 4-HOUR PAPER (OPEN BOOK)
(Subject custodian: Business School)
Entrepreneurship in context, the entrepreneur, creativity, ideas, feasibility, growth strategies, electronics and the entrepreneur, family businesses, Entrepreneurship Day. (Total tuition time: ± 36 hours)

TECHNOLOGICAL ENTREPRENEURSHIP AND   1 X 4-HOUR PAPER (OPEN BOOK)
INNOVATION V (TEI501T)
(Subject custodian: Department of Management and Entrepreneurship)
Entrepreneurship in context; the entrepreneur; creativity; ideas to innovation; opportunity identification and assessment; leadership and entrepreneurial teams; new venture resources requirements and business feasibility; legal issues and start-p entities; growth and exit strategies; technology and the entrepreneur; business planning and business finance; marketing and operations; family business and financing. (Total tuition time: not available)

TECHNOLOGY VENTURE CREATION V (TVC501T)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Industrial Engineering)
Translation of ideas into commercially viable high technology venture. Development of business plan and funding strategies are discussed. To elucidate the role of creativity, entrepreneurial and innovative business activities, and their management, within a global environment, and also of gender and ethnic diversity. (Total tuition time: ± 80 hours)

TELECOMMUNICATION NETWORKS V (ESI5008)   CONTINUOUS ASSESSMENT
(Subject custodian: Department of Electrical Engineering)
Fixed networks, mobile networks, RF and optical networks. (Total tuition time: ± 90 hours)

TELECOMMUNICATIONS V (TMM501T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Electrical Engineering)
Fixed networks, mobile networks, RF and optical networks. (Total tuition time: ± 90 hours)

THEORY OF DESIGN V (THD500T)   **CONTINUOUS ASSESSMENT**
(Subject custodian: Department of Architecture)
Weekly seminars dealing with aspects such as social conditions, politics and policies that influence the provision of housing in theory and practice. Participation in Community Planning Forum activities. Research paper relating to a specific field of interest. (Total tuition time: not available)

TRAINING AND DEVELOPMENT STRATEGIES V (TDG500T)   **1 X 3-HOUR PAPER**
(Subject custodian: Department of People Management and Development)
International training strategies, strategic positioning of training, policy, planning. (Total tuition time: ± 40 hours)