

MASTER OF ARCHITECTURE

(Qualification type: Structured Master's Degree)

Qualification code: MPAR18 - NQF Level 9 (180 credits)

CHE NUMBER: H/H16/E014CAN

Campus where offered:

Pretoria Campus

REMARKS

a. *Admission requirement(s):*

A Baccalaureus Technologiae in Architectural Technology (Professional), or a Bachelor's Honours degree at NQF Level 8 obtained from an accredited South African university. The applicant should have an aggregate of 60% for the final year of study.

Holders of any other equivalent South African or international qualifications may also be considered, but will have to apply about six months in advance for the recognition of such qualifications. Candidates will be required to submit an evaluation of their qualifications by the South African Qualifications Authority (SAQA) with their application forms for admission. 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:*

Candidates who do not meet the 60% minimum academic requirements, may be invited to appear before a Departmental Selection Committee for consideration. Further information regarding the process is available at the Department.

Admission to the second year will be subject to approval of a research topic by the Departmental Research Committee (DRC) and other relevant faculty committees.

c. *Duration:*

A minimum of two years and a maximum of four years.

d. *Presentation:*

Day classes, scheduled contact sessions, block-mode classes and research. Classes and assessments may take place on Friday afternoons and/or Saturdays

e. *Intake for the qualification:*

January only.

f. *Rules on postgraduate studies:*

See Chapter 8 of the Students' Rules and Regulations for more information.

g. *Accreditation:*

This degree is accredited by the South African Council for the Architectural Profession (SACAP) for registration in the SACAP category of Candidate Architect. The degree is internationally validated through the Canberra Accord (CA). The CA facilitates the portability of educational credentials amongst participating member countries by recognising the similarity of professional architecture degrees. CA signatories include Canada, China, Korea, Mexico, South Africa, the USA and a further 35 countries represented by the Commonwealth Association of Architects (CAA).

h. *Module credits:*

Module credits are shown in brackets after each module.



CURRICULUM

FIRST YEAR

Modules must be taken in combinations and in the sequence indicated. The following rules will apply:

- ACH109M and THD109M must be taken concurrently.
- CSM109M and KME109M must be taken concurrently.
- CHH109M and NSY109M must be taken concurrently.

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
ACH109M	Architectural Design V	(9)	(27,0)	
AHC109M	Architectural Practice V	(9)	(7,0)	
ARA109M	Advanced Computer Applications V	(9)	(4,0)	
BMN109M	Business Management V	(9)	(7,0)	
CHH109M	Computer Hardware V	(9)	(2,0)	
CSM109M	Construction Materials V	(9)	(7,0)	
KME109M	Construction Methods V	(9)	(7,0)	
NSY109M	Network Systems V	(9)	(4,0)	
THD109M	Theory of Design V	(9)	(7,0)	

TOTAL CREDITS FOR THE FIRST YEAR: **72**

SECOND YEAR

Modules must be taken in the combinations and in the sequence indicated. The following rules will apply:

- ARP209M/R and RMD229M must be taken concurrently.
- ARP209M/R and CDO209M/R must be taken concurrently.
- CDO209M/R and SFN209M/R must be taken concurrently.

CODE	MODULE	NQF-L	CREDIT	PREREQUISITE MODULE(S)
ARP209M	Research Report: Architecture: Professional V	(9)	(90,0)	Architectural Design V
ARP209R	Research Report: Architecture: Professional V (re-registration)	(9)	(0)	
CDO209M	Contract Documentation V	(9)	(10,0)	
CDO209R	Contract Documentation V (re-registration)	(9)	(0)	
RMD229M	Research Methodology	(9)	(4,0)	
SFN209M	Specification V	(9)	(4,0)	
SFN209R	Specification V (re-registration)	(9)	(0)	

TOTAL CREDITS FOR THE SECOND YEAR: **108**

TOTAL CREDITS FOR THE QUALIFICATION: **180**

SUBJECT/MODULE INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject. On 13 October 2017, the syllabus content was defined as follows:



A**ADVANCED COMPUTER APPLICATIONS V (ARA109M)****CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

Visual communication and presentation software, website design and maintenance. (Total tuition time: ± 24 hours)

ARCHITECTURAL DESIGN V (ACH109M, ACH500T)**CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

Design exercises with a quarterly focus on academic origin and teamwork, urban renewal and the multi-storey building, the architectural competition and a mini-theses. (Total tuition time: ± 252 hours)

ARCHITECTURAL PRACTICE V (AHC109M)**CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

The services and duties of the professional practitioner of architecture as defined by the Architectural Profession Act, 2000 (Act No. 44 of 2000) and the SACAP Board Notice 154 of 2009 (the Code of Professional Conduct). Specific themes include time as a resource, managing projects and clients, as well as post-completion responsibilities. (Total tuition time: ± 21 hours)

B**BUSINESS MANAGEMENT V (BMN109M)****CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

Office organisation, including managing oneself, the team and the business of architecture. Marketing and generating an income while establishing new business avenues. (Total tuition time: ± 10 hours)

C**COMPUTER HARDWARE V (CHH109M)****CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

An overview of all the current terminology, concepts and basics of computing hardware. Hardware support and software support for different operating systems. (Total tuition time: ± eight hours)

CONSTRUCTION MATERIALS V (CSM109M)**CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

Contemporary materials for building applications based on case studies. (Total tuition time: ± 21 hours)

CONSTRUCTION METHODS V (KME109M)**CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

The performance criteria of detailing. Post-construction analyses using case studies. Building standards, specifically Part XA of SANS 10400. Intelligent buildings and building automation. Complex structures. (Total tuition time: ± 21 hours)

CONTRACT DOCUMENTATION V (CDO209M/R)**PROJECT ASSESSMENT***(Subject custodian: Department of Architecture)*

This subject is based on the design prepared as part of the research report. A selected portion of the design is developed in detail and technically resolved. It is presented as a set of design development drawings. (Total tuition time: ± 72 hours)

N**NETWORK SYSTEMS V (NSY109M)****CONTINUOUS ASSESSMENT***(Module custodian: Department of Architecture)*

Current and emerging networking hardware basics and terminology. Operating system set-up for networking. Data security and maintaining networks. Basic network-related software support skills. (Total tuition time: ± eight hours)



R

RESEARCH METHODOLOGY (RMD229M)

PROJECT ASSESSMENT

(Module 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: ± 15 hours)

RESEARCH REPORT: ARCHITECTURE: PROFESSIONAL V (ARP209M/R)

MINI-DISSERTATION ASSESSMENT

(Module 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. Working in the design studio (under supervision of the course coordinator and assigned design supervisor) is compulsory. (Total tuition time: ± 420 hours)

S

SPECIFICATION V (SFN209M/R)

CONTINUOUS ASSESSMENT

(Module custodian: Department of Architecture)

An introduction to the National Building Specifications (NBS) software package (or other approved specification software). Preparation of on-screen specifications for the building industry. Integrated with technical resolution of design proposal. (Total tuition time: ± 15 hours)

T

THEORY OF DESIGN V (THD109M)

CONTINUOUS ASSESSMENT

(Module custodian: Department of Architecture)

Architectural theory as a precursor to the built form. Formulating a normative position within the broad development of architectural theory. Research paper related to a specific field of interest. (Total tuition time: ± 42 hours)

