

**MSc (BUILT ENVIRONMENT) PROGRAMME**  
**NELSON MANDELA METROPOLITAN UNIVERSITY (NMMU)**  
**INFORMATION SHEET (17/02/2017)**

**Introduction**

The Department of Construction Management and the Department of Building and Quantity Surveying, Nelson Mandela Metropolitan University (NMMU), commenced with the presentation of the MSc (Built Environment) with four specialisations, on 24 June 2002: Construction Management; Facilities Management; Project Management, and Property Economics and Valuation. A fifth specialisation, namely Construction Health and Safety Management, was added to the suite of specialisations in June 2007. Due to demand, the programme is presented annually.

**Purpose of the qualification**

The purpose of the qualification is to:

- Provide understanding of the management skills and techniques necessary to deliver sophisticated projects in an increasingly competitive economic environment of South Africa and elsewhere, within time, budget and risk requirements of construction clients and other stakeholders;
- Develop analytical and methodological skills which are critical for management, decision-making and problem-solving roles, and
- Prepare candidates for advancement in construction consultancy in professional construction management, facilities management, project management, and property economics and valuation, or careers in public service.

**Contribution and impact**

The programme will provide leadership, managerial, professional and research competencies for effective and efficient delivery of built environment projects in the globally competitive environment in which major projects are procured. Targeted learners are primarily built environment professionals in the Eastern Cape Province who are largely under-served in the provision of continuing professional development (CPD) and postgraduate programmes. However, the attractiveness and relevance of the programme to learners from other parts of South Africa, SADC, and further a field, is enhanced by the residential (block release) mode of instruction, and the globally competitive curricula.

Further, given that the programme includes both course work and a substantial research component, it will contribute to capacity building and delivery in the built environment per se, tertiary education, and research, in addition to the realisation of generic and specific outcomes.

**Generic and specific outcomes**

Generic outcomes include competency to function as principal agent in complex construction and property development projects. Specific exit level outcomes per specialisation (in parentheses) include:

- Construction manager / project manager on complex construction projects and processes and at senior management level in a related capacity in the business, institutional or public environment (construction management / project management);
- Principal agent in the procurement of other projects such as end products or services, in sectors other than construction ('generic' project management);
- Appreciate the complex human and financial consequences of property occupation (property economics and valuation, and facilities management);
- Perform investment appraisals and undertake risk analysis and evaluation in relation to property investments (property economics and valuation, and facilities management);
- Appraise the operational requirements of the core business activity in terms of real estate, and develop appropriate strategic and operational responses (facilities management), and
- Perform effective space planning exercises (facilities management).

**Curricula**

The curricula include four generic core modules, four or five (construction / project management) fundamental modules, one of three or four elective modules specific to the respective specialisations, and the research project. The curricula have been structured to include modules which engender skills complementary to the achievement of 'best practice' in the built environment, among other: building energy analysis and management; design management; environmental management; health and safety management; international construction; risk management, and total quality management.

## Admission criteria

A range of admission criteria have been evolved to maximise eligibility for admission, and to enhance the shared experiences during instruction, resulting from the candidates' diverse occupations:

- Bachelor of Science honours degree in Quantity Surveying or Construction Management obtained at UPE / NMMU or at another University;
- Bachelor of Architecture degree obtained at UPE / NMMU or at another University;
- 4-year minimum bachelors' degree in other disciplines at UPE / NMMU or at another University;
- Bachelor of Technology degree in Quantity Surveying, Construction Management or Architecture obtained from a Technikon, or Technical University, with a minimum of five years of working experience;
- Professional diploma in Quantity Surveying (RQS or ARICS), Construction Management or Architecture with a minimum of seven years of working experience, and
- Any person accepted as a candidate for the degree by the University.

## Presentation

The programme is effectively 18 months in duration, and is presented on a five or six – block basis (block = six days). In principle the blocks are scheduled as follows:

Block 1: Last week of June/July recess

Block 2: September / October recess week

Block 3: A week before schools open at end of January

Block 4: First week of June/July recess

Block 5: September / October recess week

Block 6: Last week of November

The block months are as follows:

Block	Intake		
	2017	2018	2019
1	10 -15 July 2016	02 -07 July 2018	01 -06 July 2019
2	25-30 September 2017	01-06 October 2018	07-12 October 2019
3	22-27 January 2018	21-26 January 2019	20-25 January 2020
4	09-14 July 2018	08-13 July 2019	07-12 July 2020
5	01-06 October 2018	07-12 October 2019	06-12 October 2020
6	17 November 2018	16 November 2019	15 November 2020

Generally, two modules are presented per block. However, 2.5 modules are presented in each of blocks 1 and 2, which result in the completion of five modules in the first cycle, and the remaining four or five by September / October in the second cycle. The core module Research methodology is presented in the first two blocks, thus enabling commencement of the research project at an early stage of the programme – the submission date for the treatise being early December 2018 (2017 intake) and December 2018 (2017 intake). During Block 1 the following modules are presented: Research methodology (50%); Corporate strategy and Accounting and project finance. During Block 2, and Management information systems (QIT) for construction and IT applications, and a further module, related to each of the specialisations, will be presented.

Block 3 & 4 modules presented will depend upon the specialisations registered for. Students have a choice of one elective in their specialisation, which is presented in Block 5.

## Assessment procedures

The following assessment procedures apply:

- In all modules are examinable– modules are assessed at the beginning of the following block;
- Assignments are submitted for evaluation within the overall programme with a minimum pass requirement of 50%;
- Individual and group project reports, interactive discussions, individual presentations are included within a comprehensive range of assessment processes, and
- The appointment of moderators by the Faculty Management Committee, Faculty of Engineering, Built Environment and Information Technology, NMMU.

## Fees

Please enquire on (041) 504 2258 for current fee structures when making application.

Application fee is: R 500.00 fee and the registration fee is: R3300.00

Account Name: Nelson Mandela University - Main  
 Bank Name: Standard Bank  
 Bank Address: Rink Street, Port Elizabeth, South Africa  
 Account Number: 080263011  
 Bank Swift code: SBZA ZAJJ  
 Internet Banking Code: 051001

Or

Account Name: Nelson Mandela University - Main  
 Bank Name: Standard Bank  
 Bank Address: Rink Street, Port Elizabeth, South Africa  
 Account Number: 080265855  
 Branch code: 050417

Reference: 5350 4605 & Student Name

Programme: Depending on the specialisation, there are 9 or 10 x 15 credit modules plus the treatise, which are 75 credits. In 2017 the fee for the 15 credit modules amounted to R4, 240.00 per module and the treatise was R11, 860.00. However, you must allow for escalation of fees, which can amount to approximately 10% annually.

<u>eg. Fees Payable</u>	REG FEE	FOREIGN ADMIN FEE	Course Work Fee	TOTAL
MSc in Built Environment: Project Management - 1st year	1,100	5,200	21,200	27,500
MSc in Built Environment: Project Management - 2nd year	1,100	5,200	33,020	39,320

Faculty	Qualification description	Qualification code	Year 1	Year 2	Year 3
Engineering	MSc in Built Environment: Construction Health & Safety Mngt	75024	21200	33030	
	MSc in Built Environment: Construction Management	75023	21200	33020	
	MSc in Built Environment: Facilities Management	75020	21200	28810	
	MPhil in Information Technology Governance	75050	31860		
	MSc in Built Environment: Project Management	75022	21200	33020	
	MSc in Built Environment: Property Economics & Valuation	75021	21200	28810	

Bursaries: There are a limited number of bursaries available, but applications close for most of them in mid to end September each year. Information can be obtained from the NMMU's Research office: (041) 504 2538. Furthermore, there are a limited number of Postgraduate NMMU Scholarships available.

### Application and registration

Application forms for admission to the NMMU together with an application to be admitted to postgraduate study (Form U24) may be obtained from our Admissions office (041) 504 4120 / 3447/2938, or downloaded from the NMMU website at [www.nmu.ac.za](http://www.nmu.ac.za). The completed and signed registration forms, together with the application fee, must be submitted to the Admissions Department for processing.

Once your application has been accepted you will be given a student reference number. In order to register you must make an initial payment of R1, 200.00 (Part time, 2018 figure). This can be by cheque or direct deposit to the account in the name of Nelson Mandela Metropolitan University account number 080263011 at Standard Bank, Port Elizabeth Branch (Branch code 050417) using your student number in the reference block and fax the deposit slip to the faculty officer for the faculty of engineering, built environment, and information Mr Jonathan Dorothy. His telephone number is (041) 504 3447, and his e-mail: [jonathan.dorothy@nmmu.ac.za](mailto:jonathan.dorothy@nmmu.ac.za). You must also email students accounts on: [studentaccounts@mandela.ac.za](mailto:studentaccounts@mandela.ac.za)

The last day for 2018 'intake' application is Thursday 31 May 2018. However, we would appreciate your application as soon as possible.

### Accommodation

We do not arrange accommodation, but Tourism (Port Elizabeth) can be contacted on (041) 585 8884 for suitable options close to the University.

### Further information

#### The Programme Co-directors

Professor Brink Botha and Mr Roy Cumberlege  
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#### MSc (Built Environment) Coordinator

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