Programme Requirements for
Master of Applied Science in Intelligent Construction and
Building Information Modelling,
Master of Science in Intelligent Construction and Building Information Modelling,
Postgraduate Certificate in Intelligent Construction and
Postgraduate Certificate in Building Information Modelling

1. **Period of Study and Entry Requirement**

   1.1   A student must complete the **Master of Applied Science in Intelligent Construction and Building Information Modelling**, **Master of Science in Intelligent Construction and Building Information Modelling**, **Postgraduate Certificate in Intelligent Construction**, or the **Postgraduate Certificate in Building Information Modelling** programme within the prescribed periods as stipulated below:

Normative Period of Study	Maximum Period of Study*
1 year (full-time)	3 years (full-time)
2 years (part-time)	4 years (part-time)

   The maximum period of study shall include any periods of leave of absence and deferment of studies.

   1.2   To enter the **Master of Applied Science in Intelligent Construction and Building Information Modelling** or **Master of Science in Intelligent Construction and Building Information Modelling** programme, a student should:

   1.2.1   hold a recognized degree or equivalent qualification, preferably with work experience in the construction industry; or

   1.2.2   hold a recognized sub-degree in construction-related discipline, with at least 10 years of work experience in the construction industry; and

   1.2.3   satisfy the University's English language proficiency requirements.

2. **Articulation of Qualifications**

   2.1   The Regulations Governing the Articulation of Qualifications shall apply for conversion of the Postgraduate Certificate in Intelligent Construction or the Postgraduate Certificate in Building Information Modelling to the award of Master of Applied Science in Intelligent Construction and Building Information Modelling or Master of Science in Intelligent Construction and Building Information Modelling.

3. **Programme Requirement - Master of Applied Science in Intelligent Construction and Building Information Modelling (MASCICBIMF)**

   3.1 To be eligible for the award of the degree of **Master of Applied Science in Intelligent Construction and Building Information Modelling**, a student shall:

   3.1.1 obtain 30 credit-units as prescribed below:

   3.1.1.1 21 credit-units from all compulsory courses labelled CA in Table 1;

   3.1.1.2 9 credit-units from elective courses labelled EA in Table 1;

   and

   3.1.2 attain the CGPA for graduation as prescribed in the Regulations for the Award of Postgraduate Degrees.

4. **Programme Requirement - Master of Science in Intelligent Construction and Building Information Modelling (MSCICBIMF)**

   4.1 To be eligible for the award of the degree of **Master of Science in Intelligent Construction and Building Information Modelling**, a student shall:

   4.1.1 obtain 30 credit-units as prescribed below:

   4.1.1.1 15 credit-units from all compulsory courses labelled CD in Table 1;

   4.1.1.2 15 credit-units from elective courses labelled EA in Table 1;

   and

   4.1.2 attain the CGPA for graduation as prescribed in the Regulations for the Award of Postgraduate Degrees.

Early Exit option for students admitted to MASCICBIMF or MSCICBIMF

Students admitted to MASCICBIMF or MSCICBIMF may opt for early exit with a Postgraduate Certificate. There are two options:

- Postgraduate Certificate in Intelligent Construction (PGCICF)
- Postgraduate Certificate in Building Information Modelling (PGCBIMF)

The programme requirements for PGCICF and PGCBIMF are listed in paragraphs 5 and 6 respectively.

5. Programme Requirement - Postgraduate Certificate in Intelligent Construction (PGCICF)

5.1 To be eligible for the award of the **Postgraduate Certificate in Intelligent Construction**, a student shall:

5.1.1 obtain 9 credit-units from courses labelled CB in Table 1;

and

5.1.2 attain the CGPA for graduation as prescribed in the Regulations for the Award of Postgraduate Diplomas, Postgraduate Certificates and the Certificates at QF Level 6.

6. Programme Requirement - Postgraduate Certificate in Building Information Modelling (PGCBIMF)

6.1 To be eligible for the award of the **Postgraduate Certificate in Building Information Modelling**, a student shall:

6.1.1 obtain 9 credit-units from courses labelled CC in Table 1;

and

6.1.2 attain the CGPA for graduation as prescribed in the Regulations for the Award of Postgraduate Diplomas, Postgraduate Certificates and the Certificates at QF Level 6.

Table 1

Course Code	Course Title	Credit-Units	PGCICF	PGC BIMF	MASCIC BIMF	MSCIC BIMF
Compulsory Courses						
ENGG 8001SEF	BIM Platform	3	CB	CC	CA	CD
ENGG 8002SEF	BIM Coordination	3		CC	CA	CD
ENGG 8003SEF	BIM Management	3		CC	CA	CD
ENGG 8004SEF	Modular Integrated Construction	3	CB		CA	CD
ENGG 8005SEF	Green and Intelligent Building	3			CA	CD
ENGG 8006SEF	Applied Project for Intelligent Construction	6			CA	
Elective Courses						
ENGG 8007SEF^	Engineering Technology and Construction	3	CB		EA	EA
ENGG 8008SEF^	Green and Sustainable Energy for Building	3			EA	EA
ENGG 8009SEF	IoT for Construction	3			EA	EA
ENGG 8010SEF	Artificial Intelligence in Engineering Technology	3			EA	EA

Course Code	Course Title	Credit-Units	PGCICF	PGC BIMF	MASCIC BIMF	MSCIC BIMF
ENGG 8011SEF	Environmental Assessment Methodology for Building	3			EA	EA
ENGG 8012SEF	Sustainable Management for Engineering Projects	3			EA	EA
ENGG 8013SEF	Quality Management System	3			EA	EA

^Students with a bachelor's degree in non-construction-related discipline are suggested to study elective courses of ENGG 8007SEF Engineering Technology and Construction, and ENGG 8008SEF Green and Sustainable Energy for Building

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