

Study Unit Requirements for M. Arch. & M. Eng. Courses

Admission to the Master of Architecture or Master of Engineering in the Faculty for the Built Environment requires a previous, successful completion of a University level course of studies, comprising 180 ECTS (three year full-time or equivalent part-time studies). According to the Admission Bye-Laws, the course of studies followed has to contain the thematic study-units that are prescribed in the Schedule approved as part of the Bye-Laws. This document gives guidance on how these Schedules are to be filled in.

In the first instance, if you have followed studies at the Faculty for the Built Environment, leading to a B.Sc.(Hons) (Built Environment Studies), the study-units that you have followed will generally follow the following code reference system, depending on the theme of the study-unit. It is emphasized that this is only to be used as a guideline, if nothing else because it is also possible to follow some study-units offered by other Faculties, and which do not follow the coded referencing indicated below. The content of the study-unit followed will, obviously, allow the study-unit to be classified under the appropriate theme.

If you have spent one or more semesters on an Exchange programme, the study-units taken ought to be selected so as to fall under one of the themes indicated below. If the study-units taken do not fall under any one of these themes, they could still be presented as Optional study-units, as will be explained further on.

If you have followed all 180 ECTS in another University, it will be necessary to use the description of each study-unit successfully followed to identify how that study-unit should be classified under one of the themes indicated.

Code Reference	Theme
xxx.x10x	Design Workshops
xxx.x21x	History Studies
xxx.x22x	Architectural/ Design Theory
xxx.x30x	Conservation and Heritage Studies
xxx.x41x	Construction Technology Studies
xxx.x42x	Materials in Construction
xxx.x50x	Environmental Science
xxx.x61x	Structural Behaviour and Design
xxx.x62x	Geotechnical and Foundation Studies
xxx.x63x	Mathematics and Computing
xxx.x71x	Urban Design Studies
xxx.x72x	Spatial Planning Studies
xxx.x73x	Infrastructural Systems and Development
xxx.x74x	Landscape Studies
xxx.x80x	Management Studies
xxx.x90x	Visual/ Fine Arts

Integrated Course Programme for entry into the M.Eng and M.Arch Programmes (180 ECTS)

Units highlighted in grey are compulsory units if taken within the B.Sc. (Hons) Built Environment Studies degree course. If studies have been undertaken in another University, then it will be necessary to identify studio-based, project-oriented, workshops or study-units, which compare to the Design Workshops taken in the B.Sc. BEN.

The following table illustrates how, typically, study-units taken within the B.Sc. (Built Environment Studies) are allocated within a theme. Please follow the footnotes for additional explanations.

Total ECTS for both M.Arch and M.Eng = 180

Theme	ECTS required for M.Eng.	ECTS required for M. Arch.	Study Unit Code	Study Unit Title	No. of ECTS	Course Year & Semester
Design Workshop⁶	40	40	BEN1101	Design Workshop 1	6	Yr 1 Sem 1
			BEN1102	Design Workshop 2	6	Yr 1 Sem 2
			BEN2101	Design Workshop 3	6	Yr 2 Sem 1
			BEN2102	Design Workshop	3	Yr 2 Sem 2
			BEN2103	Design Workshop	3	Yr 2 Sem 2
			BEN3101	Design Workshop	3	Yr 3 Sem 1
			BEN3102	Design Workshop	3	Yr 3 Sem 1
			BEN3105	Design Workshop	10	Yr 3 Sem 2
Architectural / Design Theory^{4,6}	0	8	AUD3221	Theory of Digital Design	4	Yr 3 Sem 1
			AUD3222	Contemporary Approaches to Architecture 1	4	Yr 3 Sem 2
			AUD3223	Space Syntax in Domestic Architecture	4	Yr 3 Sem 2
Historical Studies^{4,7}	10	14	AUD1201	History & Theory Studies 1	3	Yr 1 Sem 1
			AUD1202	History & Theory Studies 2	3	Yr 1 Sem 2
			AUD2211	Studies in Maltese Architecture	4	Yr 2 Sem 1
			AUD2212	The Architecture of the Ancient World	4	Yr 2 Sem 2
			ART3003	Art in Malta 3: The Architecture of the order of St John in Malta (1530 – 1798)	4	Yr 3 Sem 1
			AUD3211	The Architecture of Medieval Europe	4	Yr 3 Sem 1
			AUD3212	The Architecture of the Early Modern World 1	4	Yr 3 Sem 2
			AUD3213	The Architecture of the Early Modern World 2	4	Yr 3 Sem 2
Conservation and Heritage Studies^{4,7}	3	7	BLH1301	Our Heritage & Us	3	Yr 1 Sem 2
			BLH2301	Introduction to Conservation Studies	4	Yr 2 Sem 2
			BLH3301	Philosophy of Conservation	4	Yr 3 Sem 1

Visual Arts ⁴	0	4	VSA2903	Drawing Practice 1	4	Yr 2 Sem 2
			VSA3902	Form Gestalt	4	Yr 3 Sem 2
			VSA3903	Drawing Practice 2	4	Yr 3 Sem 2
Urban Design Studies ⁴⁸	0	8	AUD2711	Introduction to Urban Design Studies	4	Yr 2 Sem 2
			SPI3711	Urban Design Theory & Practice	4	Yr 3 Sem 1
			SPI3722	Urban & Regional Development	4	Yr 3 Sem 2
Spatial Planning Studies ⁴⁸	0	8	SPI2721	Introduction to Spatial Planning	4	Yr 2 Sem 2
			SPI3721	Introduction to the Maltese Planning System	4	Yr 3 Sem 1
			SPI3716	Anthropology of Social Space and the Built Environment	4	Yr 3 Sem 2
			SPI3751	Environmental and Planning Legislation	4	Yr 3 Sem 2
Landscape Studies ⁵⁸	3	3	SPI1711	Landscape & Human Impact	3	Yr 1 Sem 1
			SPI2741	Principles of Landscape Science	4	Yr 2 Sem 2
Construction Technology Studies ²⁹	15	11	CNM1401	Introduction to Forms of Construction	3	Yr 1 Sem 1
			CNM1412	Building Elements 1	4	Yr 1 Sem 2
			CNM2411	Building Elements 2	4	Yr 2 Sem 2
			CNM2412	Stone Masonry Construction	4	Yr 2 Sem 2
			CVE3412	Steel Construction Technology	4	Yr 3 Sem 1
			CNM3411	Concrete Construction Technology	4	Yr 3 Sem 2
Materials in Construction ²⁹	14	10	CNM1421	Materials and the Environment	3	Yr 1 Sem 1
			MME1203	Introduction to Material Science	3	Yr 1 Sem 2
			CNM2421	Materials for Construction 1	4	Yr 2 Sem 1
			MME2421	Materials for Construction 2	4	Yr 2 Sem 2
			CNM3421	Degradation of Building Materials 1	4	Yr 3 Sem 1
			MME3421	Degradation of Building Materials 2	4	Yr 3 Sem 2
			BLH3421	Traditional Building Materials	4	Yr 3 Sem 2

Environmental Science ^{3 10}	11	11	EVD1503	Introduction to Building Physics	3	Yr 1 Sem 1
			EVD1504	Principles of Architectural Science	4	Yr 1 Sem 2
			EVD2504	Building Services	4	Yr 2 Sem 1
			EVD2502	Energy Efficient Design	4	Yr 2 Sem 2
			EVD2503	Performance of Interior Spaces	4	Yr 2 Sem 2
			EVD3501	Advanced Lighting Design	4	Yr 3 Sem 1
			EVD3502	Advanced Acoustics Studies	4	Yr 3 Sem 2
Infrastructural Systems and Development ^{2 10}	11	3	SPI1721	Introduction to Sustainable Development	3	Yr 1 Sem 1
			SPI2731	Hydrology & Water Resources	4	Yr 2 Sem 2
			SPI2732	Introduction to Road Transport	4	Yr 2 Sem 2
			SPI3731	Civil Engineering Hydraulics	4	Yr 3 Sem 1
			SPI3732	Road Infrastructure 1	4	Yr 3 Sem 1
			SPI3734	Water Resources & Waste Management	4	Yr 3 Sem 2
			SPI3735	Road Infrastructure 2	4	Yr 3 Sem 2
Structural Behaviour and Design ^{2 11}	23	15	CVE1611	Introduction to Structure Systems	3	Yr 1 Sem 1
			CVE1613	Introduction to Structural Theory	4	Yr 1 Sem 2
			CVE2611	Structural Design 1	4	Yr 2 Sem 1
			CVE2612	Structural Design 2	4	Yr 2 Sem 2
			CVE3611	Theory of Structures 1	4	Yr 3 Sem 1
			CVE3612	Structural Design 3	4	Yr 3 Sem 1
			CVE3613	Theory of Structures 2	4	Yr 3 Sem 2
Geotechnical & Foundation Studies ^{2 11}	12	4	CVE2621	Introduction to Geotechnical Engineering	4	Yr 2 Sem 1
			CVE3621	Geotechnical Engineering 1	4	Yr 3 Sem 1
			CVE3622	Geotechnical Engineering 2	4	Yr 3 Sem 2
Mathematics & Computing ³	10	6	CVE1631	Mathematics for Architects & Engineers	3	Yr 1 Sem 1
			CVE1632	Introduction to Data Management	3	Yr 1 Sem 2
			CVE2631	Further Mathematics for Architects & Engineers	4	Yr 2 Sem 2
			CVE3631	Numerical Methods for Building Physics	4	Yr 3 Sem 2
			CVE3632	Mathematics for Computational Design	4	Yr 3 Sem 2

Management Studies⁴	8	8	CNM2801	Introduction to Project Management	4	Yr 2 Sem 1
			CNM2802	Building Costs & Specifications	4	Yr 2 Sem 2
			CNM3801	Tendering & Contract Administration	4	Yr 3 Sem 1
			CNM3803	Property Valuation Techniques ¹²	4	Yr 3 Sem 2
			CNM3804	Construction Methods & Planning	4	Yr 3 Sem 2

In the Schedule for admission to the M.Eng, programme:

¹ If the intention is to be admitted to the M.Eng programme, at least 6 ECTS of the Design Workshop taken should be related to a civil engineering topic.

² the indicated Engineering subjects amount to a minimum of 75 ECTS. In addition to the 6 ECTS for the Design Workshop, it is necessary to take another 9 ECTS in any other civil engineering theme, including any of those offered within the B.Sc. programme.

³ the indicated Basic Sciences subjects amount to a minimum of 21 ECTS. In addition, it is **recommended** that up to another 15 ECTS be chosen in Basic Sciences subjects.

⁴ at least 18 ECTS should be in Non-Technical Subjects as indicated above. Landscape Studies⁵ can also be offered under Basic Science.

For the Schedule for admission to the M.Arch programme, if the programme of studies followed in a different University does not make a distinction between the different themes in the studies offered, at the discretion of the Faculty:

⁶ it could be acceptable to combine the Design Workshop ECTS to the Architectural/Design Theory ECTS.

⁷ it could be acceptable to combine the Historical Studies to the Conservation and Heritage Studies ECTS.

⁸ it could be acceptable to combine the Urban Design Studies, Spatial Planning Studies and Landscape Studies ECTS.

⁹ it could be acceptable to combine the Construction Technology Studies and Materials in Construction ECTS.

¹⁰ it could be acceptable to combine the Environmental Science and Infrastructural Systems and Development ECTS.

¹¹ it could be acceptable to combine the Structural Behaviour and Design and the Geotechnical and Foundation Studies ECTS.

¹² This subject is mandatory if the intention is to obtain professional status in Malta after graduating from the Master programme. It is not mandatory for admission into the Master programmes, but will need to be taken separately, possibly after completing the Master programme, to fully satisfy the academic requirements for professional status.

Please note that for admission to the M.Arch. programme, up to 20 ECTS can be offered as Optional Subjects which do not fall under any one of the designated study-unit thematics.