

**BSc (Project and Facilities Management) (Hons) curriculum for AY2019/20 and AY2020/21 Intakes:**

**Table 1: Programme Structure**

No.	Modules	MCs
<b>1</b>	<b>UNIVERSITY LEVEL REQUIREMENTS</b>	<b>20</b>
1.1	General Education Modules (GEMs) <sup>^</sup> Students will be required to read one GEM from each of the following five pillars	
a	<b>H</b> uman Cultures (GEH)	4
b	Asking <b>Q</b> uestions (GEQ)	4
c	Quantitative <b>R</b> easoning (GER)	4
d	<b>S</b> ingapore Studies (GES)	4
e	<b>T</b> hinking and Expression (GET)	4
<b>2</b>	<b>PROGRAMME REQUIREMENTS</b>	<b>108</b>
a	Essential modules	56
b	Project and Event Management (PEM) modules	8 min.
c	Contract and Cost Management (CCM) modules	12 min.
d	Facilities and Infrastructure Asset Management (FIAM) modules	12 min.
e	Integrated Digital Delivery Management (IDDM) modules	12 min.
f	Dissertation (for students on Dissertation track)* <b>OR</b> Any 2 Programme Electives (for students on Non-Dissertation track)**	8
<b>3</b>	<b>UNRESTRICTED ELECTIVES (UEs)</b>	<b>32</b>
	<b>Total</b>	<b>160</b>

**Notes:**

<sup>^</sup> Please refer to GEM website (<http://www.nus.edu.sg/registrar/general-education.html>) for more details on the GEM requirements.

\* Dissertation track (students with CAP 3.50 and above upon completion of 80 MCs):

- 25 modules (100 MCs) + 1 Dissertation (8 MCs) = 26 modules (108 MCs)
- Minimum 20 MCs of Level 4000 modules = PF4102 (4 MCs) + PF4101 (8 MCs) + 2 other Level 4000 Programme Electives/ non-PFM modules (8 MCs)

\*\*Non-dissertation track (students with CAP below 3.50 upon completion of 80 MCs):

- 25 modules (100 MCs) + 2 programme electives (8 MCs) = 27 modules (108 MCs)
- Minimum 20 MCs of Level 4000 modules = PF4102 (4 MCs) + 4 other Level 4000 Programme Electives/ non-PFM modules (16 MCs)

Students who want to apply for Professional Membership of the Singapore Institute of Surveyors and Valuers (SISV) are required pass the following Quantity Surveying-related courses:

**[A] Essential Courses**

- IPM1102 Infrastructure and Project Management Law
- IPM2102 Construction Technology
- IPM2103 Measurement (Building Works)
- IPM2104 Project Cost Management
- IPM4103 Contract and Procurement Management

**[B] Elective Courses**

- PF2205 Project Finance **OR** PF2505 M&E Systems **OR** PF4203 Project Dispute Management
- PF3205 Advanced Measurement **OR** PF3201 Measurement (Specialist Works)
- PF3209 Building Information Modelling

**Table 2: Curriculum Structure**

	Level 1		Level 2		Level 3		Level 4	
	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
Essential	PF1101 Fundamentals of Project Management (4 MCs)		PF2109 Project Feasibility (4 MCs)	PF2108 Project Cost Management (4 MCs)	PF3104 Project Execution (4 MCs)		PF4102 Contract and Procurement Management (4 MCs)	
	PF1106 Introduction to Measurement (4 MCs)	PF1103 Digital Construction (4 MCs)	PF2107 Construction Technology (4 MCs)	PF2103 Measurement (Building Works) (4 MCs)				
	PF1107 Project and Facilities Management Law (4 MCs)	PF1108 Introduction to Building Performance (4 MCs)	PF2102 Structural Systems (4 MCs)	PF2110 Fundamentals of Facilities Management (4 MCs)	PF3105 Research Methods (4 MCs)			PF4101 Dissertation (Compulsory for CAP 3.50 & above) (8 MCs)
Project & Event Mgt (PEIM)				PF2203 Quality and Productivity Management (4 MCs)	PF3208 Project Leadership (4 MCs)		PF4209 Construction Enterprise Management (4 MCs)	PF4208 Safety and Health Management (4 MCs)
			PF2305 Event Management (4 MCs)	PF2306 Event Management Case Studies (4 MCs)				
Contract & Cost Mgt (CCIM)			PF2205 Project Finance (4 MCs)		PF3205 Advanced Measurement (4 MCs)	PF3201 Measurement (Specialist Works) (4 MCs)		
						PF3207 Project Management Law (4 MCs)		PF4203 Project Dispute Management (4 MCs)
Facilities & Infrastructure Asset Mgt (FIAM)					PF3307 Strategic Facilities Management (4 MCs)	PF3305 Facilities Planning and Design (4 MCs)		PF4306 REITs Facilities Management (4 MCs)
				PF2505 M&E Systems (4 MCs)		PF3306 Facilities Management Law and Contracts (4 MCs)	PF4309 Infrastructure Operations and Maintenance (4 MCs)	
					PF3504 Energy Management (4 MCs)	PF3301 Maintainability of Facilities (4 MCs)		
Integrated Digital Delivery Mgt (IDDM)		CS1010S Programming Methodology (4 MCs)		PF2502 Development Technology and Management (4 MCs)	PF3209 Building Information Modelling (4 MCs)	PF3502 Smart Facilities (4 MCs)	PF4211 Additive Manufacturing for Construction (4 MCs)	PF4212 Advanced Building Information Modelling (4 MCs)
				PF2504 Materials Technology (4 MCs)	PF3210 Total Building Performance (4 MCs)		PF4213 Building Energy Analysis and Simulation (4 MCs)	PF4502 Green Development (4 MCs)
					PF3211 AI Applications for the Built Environment (4 MCs)			
Intern-ship				PF2402 Work Experience Internship/ PF3401 Practical Training Scheme (4 MCs) (UE)		PF2402 Work Experience Internship/ PF3401 Practical Training Scheme (4 MCs) (UE)		

**Notes:**

PF2306 Event Management Case Studies – Last offered in Semester 2, AY2020/21

PF4210 Project Studio → Renamed to PF4213 Building Energy Analysis and Simulation, with effect from Semester 1, AY2020/21

PF4501 Total Building Performance (TBP) → Changed module code to PF3210 TBP, with effect from Semester 1, AY2020/21

New modules in Integrated Digital Delivery Management (IDDM) Track:

PF3211 AI Applications for the Built Environment, with effect from Semester 1, AY2020/21

PF4212 Advanced Building Information Modelling, with effect from Semester 2, AY2019/20