BSc (Project and Facilities Management) (Hons) curriculum for <u>AY2021/22 intake</u>:

Table 1: Programme Structure

No	Requirements	Modular Credits (MCs)
1	**Common Curriculum**	**60**
a	<u>General Education Pillars</u> (University-wide), 4 MCs each 1. Cultures and Connections 2. Critique and Expression (ES2531 Critical Thinking and Writing) 3. Singapore Studies 4. Digital Literacy (COS1000 Computational Thinking for Scientists, CS1010E/CS1010S Programming Methodology) 5. Data Literacy (GEA1000 Quantitative Reasoning with Data) 6. Communities and Engagement	24
b	<u>Common Curriculum Pillars</u> (CDE), 4 MCs each 1. Project Management (PF1101 Fundamentals of Project Management) 2. Artificial Intelligence (PF3211 AI Applications for the Built Environment) 3. Creating Narratives (CDE2000) 4. Design Thinking (DTK1234) 5. Maker Space (EG1311 Design and Make) 6. Sustainable Futures (EG2501 Liveable Cities) 7. Systems Thinking (IE2141 Systems Thinking and Dynamics)	28
c	Integrated Project (PF4101 Dissertation)	8
2	**Major Requirements**	**60**
a	Essential modules	44
b	Elective modules	16
3	**Unrestricted Electives**	**40**
	Total	**160**

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
NUS GE Pillars	GEA1000 Quantitative Reasoning with Data	Digital Literacy Module		ES2531 Critical Thinking and Writing				
CDE Common Curriculum Pillars	DTK1234 Design Thinking	EG1311 Design and Make	EG2501 Liveable Cities	IE2141 Systems Thinking and Dynamics	CDE2000 Creating Narratives			
	PF1101 Fundamentals of Project Management		PF3211 AI Applications for the Built Environment					
Integrated Project							PF4101 Dissertation	
PFM Essential Modules	PF1107 Infrastructure and Project Management Law	PF1103 Digital Construction	PF2109 Project Feasibility	PF2108 Project Cost Management	PF3104 Project Execution		PF4102 Contract and Procurement Management	
		PF1108 Introduction to Building Performance	PF2107 Construction Technology	PF2103 Measurement (Building Works)				
				PF2110 Infrastructure and Facilities Management	PF3105 Research Methods			
PFM Elective Modules			PF2102 Structural Systems		PF3208 Project Leadership		PF4209 Construction Enterprise Management	PF4208 Safety and Health Management
			PF2205 Project Finance		PF3205 Advanced Measurement	PF3201 Measurement (Specialist Works)		
						PF3207 Project Management Law		PF4203 Project Dispute Management
					PF3307 Strategic Facilities Management	PF3305 Facilities Planning and Design		PF4306 REITs Facilities Management
						PF3306 Facilities Management Law and Contracts	PF4309 Infrastructure Operations and Maintenance	
				PF2505 M&E Systems	PF3504 Energy Management	PF3301 Maintainability of Facilities		
					PF3209 Building Information Modelling	PF3502 Smart Facilities		PF4212 Advanced Building Information Modelling
				PF2504 Materials Technology	PF3210 Total Building Performance		PF4213 Building Energy Analysis and Simulation	PF4502 Green Development
NUS UEs	1 x GE/UE	1 x GE/UE	1 x GE/UE		1 x GE/UE/PFM Elective	1 x GE/UE/PFM Elective	1 x GE/UE/PFM Elective	1 x GE/UE/PFM Elective
					1 x GE/UE	4 x GE/UE	1 x GE/UE	4 x GE/UE
PFM Internship (Special Terms)				PF2402 Work Experience Internship/ PF3401 Practical Training Scheme (UE)		PF2402 Work Experience Internship/ PF3401 Practical Training Scheme (UE)		

General Education Pillars (GE) – 24 MCs	Common Curriculum Pillars (CC, CDE) – 28 MCs
Unrestricted Electives (UEs) – 40 MCs	