Innovation & Design Programme
NUS College of Design and Engineering

Bachelor of Science (Project and Facilities Management) with Minor in Innovation & Design

Cohort AY2021/2022

Modular Requirements	Modular Credits (MCs)
Common Curriculum	
GEA1000 Quantitative Reasoning with Data [1]	4
CS1010S Programming Methodology	4
ES2631 Critique and Communication of Thinking and Design [1]	4
GE: Cultures and Connections [1]	4
GE: Singapore Studies [1]	4
GE: Communities and Engagement [1]	4
CDE2000 Creating Narratives	4
DTK1234 Design Thinking	4
EG1311 Design and Make	4
EG2501 Liveable Cities	4
IE2141 Systems Thinking and Dynamics	4
PF1101 Fundamentals of Project Management	4
PF3211 AI Applications for the Built Environment	4
PF4101 Dissertation	8
Sub-total for Common Curriculum	**60**
Major Requirements	
PF1103 Digital Construction	4
PF1107 Infrastructure and Project Management Law	4
PF1108 Introduction to Building Performance	4
PF2103 Measurement (Building Works)	4
PF2107 Construction Technology	4
PF2108 Project Cost Management	4
PF2109 Project Feasibility	4
PF2110 Infrastructure and Facilities Management	4
PF3104 Project Execution	4
PF3105 Research Methods	4
PF4102 Contract and Procurement Management	4
PFM elective modules	16
Sub-total for Major Requirements	**60**
Unrestricted Electives	
Group A module for Minor	4
Group B module for Minor	4
EG3301R DCP Project (over 2 consecutive semesters)	12
Other unrestricted electives [2]	20
Sub-total for Unrestricted Electives	**40**
Total	**160**

(updated 26 May 2022)

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<u>Notes:</u>

¹   Students may read equivalent modules in USP/NUSC, UTCP, and RVRC.

²   Can be used for PF2404 Work Experience Internship and PF3401 Practical Training Scheme during summer
   vacations between Year 2 and Year 3, and between Year 3 and Year 4.

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Recommended semester schedule – JC-intake students or equivalent

Semester 1	MCs	Semester 2	MCs
GEA1000 Quantitative Reasoning with Data	4	CS1010S Programming Methodology	4
DTK1234 Design Thinking	4	EG1311 Design & Make	4
PF1101 Fundamentals of Project Management	4	PF1103 Digital Construction	4
PF1107 Infrastructure and Project Management Law	4	PF1108 Introduction to Building Performance	4
GE	4	Group A module for Minor	4
Sub-total	**20**	**Sub-total**	**20**

Semester 3	MCs	Semester 4	MCs
EG2501 Liveable Cities	4	ES2631 Critique and Communication of Thinking and Design	4
PF2107 Construction Technology	4	IE2141 Systems Thinking & Dynamics	4
PF2109 Project Feasibility	4	PF2103 Measurement (Building Works)	4
PF3211 AI Applications for the Built Environment	4	PF2108 Project Cost Management	4
Group B module for Minor	4	PF2110 Infrastructure and Facilities Management	4
		EG3301R DCP Project	6
Sub-total	**20**	**Sub-total**	**26**

Semester 5	MCs	Semester 6 – can be used for SEP	MCs
EG3301R DCP Project	6	PFM Elective 1	4
PF3104 Project Execution	4	PFM Elective 2	4
PF3105 Research Methods	4	GE *	4
CDE2000 Creating Narratives	4	GE *	4
		UE	4
Sub-total	**18**	**Sub-total**	**20**

Semester 7	MCs	Semester 8	MCs
PF4101 Dissertation	8	PFM Elective 4	4
PF4102 Contract and Procurement Management	4	UE	4
PFM Elective 3	4	UE	4
UE	4	UE	4
Sub-total	**20**	**Sub-total**	**16**

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these modules earlier.

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