Programme Overview and Curriculum

The following tables give an overview and a summary of the overall curriculum structure for the Degree Programme:

Year-Sem	No.	Module Code	Module Title	QF Level	Credit Points	
Y2-S3**	1	---	GE Elective 1	5	3	15
	2	GEC4305	A.I. and Blockchain in Society & Work$	4	3	
	3	SBS4211	Heat & Mass Transfer	4	3	
	4	SBS5211	Advanced Engineering Mathematics	5	3	
	5	SBS5213	Project & Engineering Management	5	3	
Y2-S4	1	---	GE Elective 2	5	3	15
	2	GEC4306	Entrepreneurial Mindset	4	3	
	3	SBS5226	Construction CAD & Basics of BIM	5	3	
	4	SBS5227	Indoor Environment & HVAC Systems	5	3	
	5	SBS5228	Hydraulic & Fire Safety Systems	5	3	
Y2-SS@	1	SBS4209	Work-integrated Learning 1#	4	3	3
			Year-2 Sub-total			**33**
Y3-S5	1	---	GE Elective 3	5	3	18
	2	GEC5202	English for Academic Studies 2	5	3	
	3	SBS5221	Piped Services	5	3	
	4	SBS5223	Power Distribution & Machines	5	3	
	5	SBS5225	HVACR 1	5	3	
	6	SBS5312	Lighting Technology	5	3	
Y3-S6	1	GEC5102	Chinese 2	5	3	15
	2	GEC5206	English for Professional Purposes	5	3	
	3	SBS5212	Advanced Electrical Technology	5	3	
	4	SBS5311	HVACR 2	5	3	
	5	SBS5313	Fire Services	5	3	
Y3-SS@	1	SBS5309	Work-integrated Learning 2#	5	3	3
			Year-3 Sub-total			**36**

Year-Sem	No.	Module Code	Module Title	QF Level	Credit Points	
Y4-S7	1	---	GE Elective 4	5	3	
	2	---	Programme Elective 1	5	3	
	3	SBS5411	BIM for MEP	5	3	15
	4	SBS5412	Design for Operation & Maintenance	5	3	
	5	SBS5397	BSE Conceptual Design	5	3	
Y4-S8	1	---	Programme Elective 2	5	3	
	2	SBS5421	Building Energy & Carbon Assessment	5	3	
	3	SBS5431	Building Automation & Control	5	3	15
	4	SBS5498	Final Year Applied Research Project	5	3	
	5	SBS5499	BSE Detailed Design	5	3	
			Year-4 Sub-total			**30**
			Total Credit Points for Degree Programme			**99**

Note: The actual delivery of the modules is subject to the arrangement of the respective Department/School.

** Year 2 Entry students start at Y2-S3.

\# The Work-integrated Learning modules must be completed before graduation.

@ *Summer Semester*

$ GEC4305 has been renamed from "Technology, Society & Work" to "A.I. and Blockchain in Society & Work" effective from Semester One, AY 2024/25. Students who have taken the module "Technology, Society & Work" before Semester One, AY 2024/25 do not require to take the module "A.I. and Blockchain in Society & Work" to fulfil the graduation requirement.