ST125104 – Bachelor of Engineering (Honours) in Aircraft Engineering

Programme Document

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	
Y3-S5	1	GEC5102	Chinese 2	5	3	18
	2	GEC5202	English for Academic Studies 2	5	3	
	3	SAE4301	Aircraft Structure & Accessory Systems	4	3	
	4	SAE4302	Aircraft Powerplant Systems	4	3	
	5	SAE5301	Advanced Engineering Mathematics	5	3	
	6	SAE5302	Aerodynamics & Fluid Dynamics	5	3	
Y3-S6	1	GEC5206	English for Professional Purposes	5	3	15
	2	SAE5303	Aircraft Systems Design	5	3	
	3	SAE5304	Thermodynamics & Introduction to Gas Turbine	5	3	
	4	SAE5305	Flight Stability & Automatic Control	5	3	
	5	SAE5306	Aircraft Maintenance Organisation & Management	5	3	
Y3-SS@	1	SAE4309	Work-integrated Learning#	4	3	3
			Year-3 Sub-total			**36**
Y4-S7	1	---	General Education Elective 3	5	3	15
	2	SAE5401	Solid Mechanics for Aircraft Structure	5	3	
	3	SAE5402	Mechanics of Flight	5	3	
	4	SAE5403	Gas Turbine Engine Design	5	3	
	5	SAE5404	Propeller	5	3	
Y4-S8	1	---	General Education Elective 4	5	3	15
	2	---	Programme Elective	5	3	
	3	SAE5405	Gas Turbine Engine Performance	5	3	
	4	SAE5406	Safety & Reliability	5	3	
	5	SAE5492	Final Year Project	5	3	
			Year-4 Sub-total			**30**
			Total Credit Points for Degree Programme			**66**

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

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

*   Students who opt for the Certificate of Recognition for the HKAR-147 Cat. B1.1 Aircraft Maintenance Licence should fulfill the practical training and attendance requirement. They are required to accumulate about 1,100 hours of practical training/industrial attachment as arranged by THEi, at an extra fee.

@   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.