HKUST and HKUST(GZ)
Cross-Campus Equivalent Courses

CWB Course Code	GZ Course Code	GZ Course Title	GZ Course Credit(s)	Term of equivalence established/ effective term	Term of equivalence removed	Remarks
CENG 2110	AMAT 2010	Process and Product Design Principles	(3 credits)	2024-25 Fall		Starting from Fall 2025-26, CENG 2110 will be recoded and renamed as *CENG 1110 Introduction to Chemical Engineering* **
CENG 2220	AMAT 2380	Transport Phenomena I	(3 credits)	2024-25 Fall		
CENG 3150	AMAT 3820	Integrated Chemical Process and Product Design	(5 credits)	2024-25 Fall		
CENG 4130	AMAT 4810	Plant Design and Economics	(3 credits)	2024-25 Fall		
CENG 4650	AMAT 4540	Biomaterials and Drug Delivery	(3 credits)	2024-25 Fall		
CENG 4710	SEEN 4180	Environmental Control	(3 credits)	2026-27 Fall		
CENG 3300/ BIEN 3300	AMAT 3530	Data Science for Molecular Engineering	(3 credits)	2024-25 Fall		
CHEM 1004	UCUG 1900	Chemistry in Everyday Life	(3 credits)	2024-25 Spring		
CHEM 2111	AMAT 2030	Fundamentals of Organic Chemistry	(3 credits)	2024-25 Fall		
CHEM 2410	AMAT 2040	Physical Chemistry I: Equilibrium Thermodynamics and Statistical Mechanics	(3 credits)	2024-25 Fall		
CHEM 2450	AMAT 2450	Physical Chemistry Laboratory	(1 credit)	2024-25 Fall		
CHEM 4230	AMAT 4560	Material Characterization Method	(3 credits)	2024-25 Fall		
CHEM 4310	SEEN 4190	Environmental Chemistry	(3 credits)	2026-27 Fall		
COMP 2211	AIAA 2211	Exploring Artificial Intelligence	(3 credits)	2025-26 Fall		
COMP 2611	MICS 2710	Computer Organization	(4 credits)	2025-26 Fall		
COMP 3511	AIAA 3511	Operating Systems	(3 credits)	2025-26 Fall		
COMP 4221	AIAA 4051	Introduction to Natural Language Processing	(3 credits)	2025-26 Fall		
COMP 4222	AIAA 4255	Machine Learning with Structured Data	(3 credits)	2025-26 Fall		
COMP 4332	AIAA 4332	Big Data Mining and Management	(3 credits)	2025-26 Fall		
COMP 4461	ROAS 4500	Human-Computer Interaction	(3 credits)	2024-25 Fall		
COMP 4462	FTEC 4280	Data Visualization	(3 credits)	2025-26 Fall		
COMP 4471/ ELEC 4240	ROAS 4471	Deep Learning in Computer Vision	(3 credits)	2024-25 Fall		
COMP 4541	FTEC 4210	Blockchain, Cryptocurrencies and Smart Contracts	(3 credits)	2025-26 Fall		
COMP 4621	FTEC 4260	Computer and Communication Networks	(3 credits)	2025-26 Fall		
COMP 4641	AIAA 4641	Social Information Network Analysis and Engineering	(3 credits)	2025-26 Fall		
COMP 4651	DSAA 4040	Cloud Computing and Big Data Systems	(3 credits)	2025-26 Fall		
COMP 4911	AIAA 4911	IT Entrepreneurship	(3 credits)	2025-26 Fall		
ECON 1220	UCUG 1807	Thinking like an Economist I: Microeconomics	(3 credits)	2024-25 Spring		
ECON 2113	FTEC 2320	Microeconomics	(3 credits)	2025-26 Fall		
ECON 2123	FTEC 2330	Macroeconomics	(3 credits)	2025-26 Fall		
ECON 3334	FTEC 3340	Introduction to Econometrics	(4 credits)	2025-26 Fall		
ELEC 2100	ROAS 2100	Signals and Systems	(4 credits)	2024-25 Fall		
ELEC 2350	MICS 2070	Introduction to Computer Organization and Design	(4 credits)	2025-26 Fall		
ELEC 2400	ROAS 2200	Electronic Circuits	(4 credits)	2024-25 Fall		
ELEC 3130	ROAS 4760	Machine Learning on Images	(3 credits)	2024-25 Fall		ELEC 4130 has been recoded and renamed as *ELEC 3130 Digital Image Processing* **
ELEC 3200	ROAS 3700	System Modeling, Analysis and Control	(4 credits)	2024-25 Fall		
ELEC 3210	ROAS 3210	Introduction to Mobile Robotics	(3 credits)	2024-25 Fall	2025-26 Fall	
ELEC 3300	ROAS 3180	Introduction to Embedded Systems	(4 credits)	2024-25 Fall		
ELEC 3310	MICS 3430	Digital Fundamentals and System Design	(4 credits)	2025-26 Fall		
ELEC 3500	MICS 3090	Integrated Circuit Devices	(4 credits)	2025-26 Fall		
ELEC 4220	ROAS 4220	Introduction to Robotics: From Mobile Robots to Manipulators	(4 credits)	2024-25 Fall		ELEC 4220 has been renamed as *Robotics: Modeling, Control and Planning and its credits changed to 3* **
ELEC 4420	MICS 4040	Analogue Integrated Circuits Design and Analysis	(4 credits)	2025-26 Fall		
ELEC 4520	AMAT 4570	Integrated Circuit Fabrication Technology	(3 credits)	2024-25 Fall		
ELEC 4620	AMAT 4580	Photonics and Optical Communications	(4 credits)	2024-25 Fall		
ENEG 4320	SEEN 4170	Energy Storage Technology	(3 credits)	2026-27 Fall		
ENGG 1300	UCUG 1907	Design Thinking for Health Innovation	(3 credits)	2024-25 Spring		
ENVR 3004	SEEN 3070	Life Cycle Assessment	(3 credits)	2026-27 Fall		
FINA 3303	FTEC 3330	Intermediate Corporate Finance	(3 credits)	2025-26 Fall		
FINA 4103	FTEC 4310	Financial Markets Trading and Structure	(3 credits)	2025-26 Fall		
FINA 4513	FTEC 4420	Risk Management	(3 credits)	2025-26 Fall		
FINA 4713	AIAA 4330	Introduction to Artificial Intelligence and Big Data in Finance	(3 credits)	2025-26 Fall		
HUMA 1102	UCUG 1506	Enjoyment of Classical Music	(3 credits)	2024-25 Spring		
HUMA 2108	UCUG 2500	Music of China	(3 credits)	2024-25 Fall		
HUMA 2109	UCUG 2603	East Asian Popular Music	(3 credits)	2024-25 Spring		
IEDA 3010	SMMG 3030	Prescriptive Analytics	(3 credits)	2025-26 Fall		
IEDA 4180	SMMG 4620	Service Engineering and Management	(3 credits)	2025-26 Fall		
IEDA 4200	SMMG 4630	Design of Logistics and Manufacturing Systems	(3 credits)	2025-26 Fall		
IEDA 4410	SMMG 4640	Data Driven Supply Chain Management	(3 credits)	2025-26 Fall		
MATH 2421	FTEC 2120	Probability	(4 credits)	2025-26 Fall		
MATH 3033	FTEC 3140	Real Analysis	(4 credits)	2025-26 Fall		
MATH 3312	FTEC 3110	Numerical Analysis	(3 credits)	2025-26 Fall		
MATH 3423	FTEC 3130	Statistical Inference	(3 credits)	2025-26 Fall		
MATH 3425	FTEC 3120	Stochastic Modeling	(3 credits)	2025-26 Fall		
MATH 4321	FTEC 4330	Game Theory	(3 credits)	2025-26 Fall		
MATH 4335	DSAA 4086	Introduction to Optimization	(3 credits)	2025-26 Fall		
MATH 4343	FTEC 4270	Introduction to Graph Theory	(4 credits)	2025-26 Fall		
MATH 4432	FTEC 4110	Statistical Machine Learning	(3 credits)	2025-26 Fall		
MECH 2040	AMAT 2320	Solid Mechanics I	(3 credits)	2024-25 Fall		
MECH 2210	SEEN 2040	Fluid Mechanics	(3 credits)	2026-27 Fall		
MECH 2310	SEEN 2030	Thermodynamics	(3 credits)	2026-27 Fall		
MECH 2410	SMMG 2640	Engineering Materials	(3 credits)	2025-26 Fall		
MECH 3030	SMMG 3080	Mechanisms of Machinery	(3 credits)	2025-26 Fall		
MECH 3310	SEEN 3040	Heat Transfer	(3 credits)	2026-27 Fall		
MECH 3510	SMMG 3690	Computer-Aided Design and Manufacturing	(3 credits)	2025-26 Fall		
MECH 3610	SEEN 3060	Control Principles	(3 credits)	2026-27 Fall		
MECH 3907	ROAS 3400	Mechatronic Design and Prototyping	(3 credits)	2024-25 Fall		
MECH 4720	SMMG 4650	Introduction to Precision Engineering	(3 credits)	2025-26 Fall		
MECH 4740	SMMG 4660	Numerical Methods in Engineering	(3 credits)	2025-26 Fall		
MECH 3110/ ENEG 3110	AMAT 3590	Materials for Energy Technologies	(3 credits)	2024-25 Fall		
PHYS 1007	AMAT 1510	Quantum Information For Everyone	(3 credits)	2024-25 Fall		
PHYS 2022	AMAT 2050	Modern Physics	(3 credits)	2024-25 Fall		
PHYS 2124	AMAT 2020	Mathematical Methods in Physics I	(3 credits)	2024-25 Fall		
PHYS 3036	AMAT 3520	Quantum Mechanics I	(3 credits)	2024-25 Fall		
PHYS 3040	AMAT 3060	Introduction to Materials Science	(3 credits)	2024-25 Fall		
PHYS 3042	AMAT 3350	Structure and Properties of Crystalline Solids	(3 credits)	2024-25 Fall		
PHYS 3142	AMAT 3360	Computational Methods in Physics	(3 credits)	2024-25 Fall		
SOSC 1780	UCUG 1804	Population and Development in China	(3 credits)	2025-26 Spring		
SOSC 3880	UCUG 3801	Social Inequality and Social Mobility	(3 credits)	2024-25 Spring		

**** Relevant HKUST(GZ) courses will sync with the changes in due course.**