

**HKUST Engineering Courses offered in Spring 2025-26**

<b>Code</b>	<b>Title</b>	<b>Remarks</b>
BIEN5010	Molecular Biology for Bioengineering	
BIEN5820	Microfluidics and Biosensors	
BIEN6930F	Equilibrium Behavior, Kinetics, and Transport Phenomena in Chemical and Biological Systems	
CENG5210	Advanced Separation Processes	
CENG5240	Deep Learning for Chemical and Biological Engineering	
CENG5520	Polymer and Materials Characterization Techniques	
CENG5840	Nanomaterials for Chemical Engineering Applications	
CENG6000R	Introduction to Molecular Dynamics Simulations	
CENG6000S	Plastic Electronics and their Applications	
CENG6000U	Systems Ionics	
CIVL5210	Principles of Project Finance	
CIVL5430	Aquatic Chemistry	
CIVL5510	Hydroclimate Data Analysis and Modelling	
CIVL5530	Turbulence Processes in Hydrosystems	
CIVL5550	Modeling Fluid Systems	
CIVL5710	Advanced Soil Mechanics	
CIVL5720	Advanced Foundation Design	
CIVL5830	Advanced Mechanics of Materials	
CIVL5840	Advanced Concrete Technology	
COMP5111	Fundamentals of Software Testing and Analysis	
COMP5212	Machine Learning	
COMP5214 (=ELEC5680)	Advanced Deep Learning Architectures	
COMP5311	Database Architecture and Implementation	
COMP5421	Computer Vision	
COMP5422	Deep 2D and 3D Visual Scene Understanding	
COMP5423	Deep Learning for Medical Image Analysis	
COMP5631	Cryptography and Security	
COMP6211L	Advanced Topics in Hardware-Aware Deep Learning Computing	
ELEC5050	Advanced CMOS Devices	
ELEC5140	Advanced Computer Architecture	
ELEC5160	Digital VLSI System Design and Design Automation	
ELEC5210	Advanced Topics in Nanoelectronics	
ELEC5240	Advanced Display Technologies	
ELEC5280	High Frequency Circuit Design	
ELEC5460	Stochastic Optimization for Wireless Systems and Federated-Learning	
ELEC5640	Robot Manipulation	
ELEC5650	Introduction to Networked Sensing, Estimation and Control	
ELEC5660	Introduction to Aerial Robotics	
ELEC5680	Advanced Deep Learning Architectures	
ELEC5810	Introduction to Bioinformatics Algorithms	
ELEC5820	Microfluidics and Biosensors	
ELEC5900	Modern Engineering Research Methodologies	
ELEC6910E	Compound Semiconductor Device Physics and Technologies	
ELEC6910I	Internet Video Streaming	
MECH5280 (=ELEC5400)	Transport Phenomena and Its Appl'n in Energy Systems	
MECH5320	Convective Heat & Mass Transfer	
MECH5410	Advanced Mechanical Behavior of Materials	
MECH5561 (=ELEC5640)	Robot Manipulation	
MECH5980	Processes in Manu Systems	
MECH6910V (=CHEM6030D)	Electrochemistry & Electrochemical Engg	
MECH6910W	Smart Materials & Sensors	

Last updated: 31 Dec 2025