



THE UNIVERSITY OF HONG KONG

Department of Data & Systems Engineering

UG programmes

List of courses offered 2026-2027

<u>Course Code</u>	<u>Course Title</u>	<u>1st Semester</u>	<u>2nd Semester</u>
DASE1001	Computing in Practice - Introduction to Data and Systems Engineering	✓	
DASE1109	Fundamentals of engineering design (Semester-based course)	✓	✓
DASE2102	Fundamentals of logistics and operations	✓	
DASE2109	Fundamentals of engineering design (Semester-based course)	✓	✓
DASE2121	Engineering training		✓
DASE2132	Statistical analysis	✓	
DASE2134	Operational research	✓	
DASE2135	Mathematical optimisation		✓
DASE2144	Fundamentals of robotics		✓
DASE3102	Strategic supply chain management		✓
DASE3107	Systems modelling and simulation		✓
DASE3109	Quality management	✓	
DASE3111	Data-driven optimisation		✓
DASE3115	Engineering economics and finance	✓	
DASE3126	Engineers in society		✓
DASE3128	Human-machine collaboration	✓	
DASE3136	Operations planning and control	✓	
DASE3139	The internet of things		✓

<u>Course Code</u>	<u>Course Title</u>	<u>1st Semester</u>	<u>2nd Semester</u>
DASE3156	Computer vision and applications		✓
DASE3158	Data structures and algorithms	✓	
DASE3159	Technology Innovation and entrepreneurship	✓	
DASE4102	Engineering project management	✓	
DASE4110	Financial engineering		✓
DASE4122	Global logistics and transportation systems		✓
DASE4135	Systems integration	✓	
DASE4136	Intelligent transportation and autonomous driving	✓	
DASE4140	Machine learning and applications		✓
DASE4147	Mechatronic systems engineering		✓
DASE4174	Project (Yearly-based course)	✓	✓
DASE4538	Healthcare Systems Engineering	✓	

Last updated: July 2026