

THE UNIVERSITY OF HONG KONG
Bachelor of Science in Innovation and Technology [BSc(I&T)]
Programme Learning Outcomes

Applicable to students admitted to the four-year curriculum of BSc(I&T) in the academic year 2025-26 and thereafter .

<u>University Educational Aims (UEAs)</u>	<u>Proposed BSc(I&T) PLOs</u>
Benchmarked against the highest international standards, the 4-year undergraduate curriculum at HKU is designed to enable our students to develop their capabilities in:	On successful completion of the curriculum, students should be able to:
UEA1: Pursuit of academic/professional excellence, critical intellectual inquiry and life-long learning	PLO1: demonstrate in-depth problem-solving skills and understanding of the innovation process from problem identification to solution development. PLO2: develop a broad knowledge foundation in science, mathematics, computing and technology subjects necessary for developing technology-based innovations. PLO3: develop in-depth knowledge in a focused technology discipline and demonstrate the role of this discipline in addressing real-world problems.
UEA2: Tackling novel situations and ill-defined problems	PLO4: engage stakeholder appropriately in the process of innovation to address ill-defined problems arising in practical situations. PLO5: formulate ill-defined problems into addressable challenges and develop solutions to these challenges.
UEA3: Critical self-reflection, greater understanding of others, and upholding personal and professional ethics	PLO6 identify gaps in knowledge and skillset of oneself needed for solution delivery and be able to fill the gap through self- and peer-learning. PLO7: understand the impact and ethical responsibility of innovation solutions in a global and societal context, especially considering the health, safety and environmental impact to both the workers and the general public.
UEA4: Intercultural communication, and global citizenship	PLO8: engage in productive teamwork with partners from diverse technical and cultural background. PLO9: appreciate the diverse views on the use of innovation and technology in the society across cultures, places, and time.
UEA5: Communication and collaboration	PLO10: communicate effectively the solution ideas and progress of development with stakeholders through visual, written, oral means. PLO11: facilitate team-based problem-solving both in the role of a team leader and in the role of a team member during the innovation process as appropriate.

UEA6: Leadership and advocacy for the improvement of the human condition

PLO12: advocate for the improvement of the human condition through human-centred innovations.