THE UNIVERSITY OF HONG KONG
SCHOOL OF COMPUTING AND DATA SCIENCE

Bachelor of Engineering in Artificial Intelligence and Data Science [BEng(AI&DataSc)]: Programme Learning Outcomes

(Applicable to students admitted in the academic year 2025-26 and thereafter)

Programme Learning Outcomes
Upon successful completion of the curriculum, students should be able to: **PLO(a)** - apply knowledge of AI and data science technologies to AI and data science applications appropriate to the programme outcomes and to the discipline **PLO(b)** - apply knowledge of AI and data science technologies to the abstraction and conceptualization of AI and data science applications **PLO(c)** - analyze an AI/data-centric problem, and identify and define the AI and data science methodologies and technologies appropriate to its solution **PLO(d)** - design, implement, and evaluate an AI and data science solution, process, component, or programme to meet desired needs with appropriate consideration for public health and safety, social and environmental considerations **PLO(e)** - function effectively on teams to accomplish a common goal **PLO(f)** - demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities **PLO(g)** - communicate effectively with a range of audiences **PLO(h)** - analyze the local and global impact of AI and data science technology on individuals, organizations, and society **PLO(i)** - recognize the need for and an ability to engage in continuing professional development **PLO(j)** - use current techniques, skills, and tools necessary for AI and data science practice with an understanding of the limitations

Programme Learning Outcomes (PLOs) mapped against University Education Aims (UEAs)

Curriculum Level Outcomes	University Educational Aims
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Upon successful completion of the curriculum, students should be able to: **PLO(c)** - analyze an AI/data-centric problem, and identify and define the AI and data science methodologies and technologies appropriate to its solution **PLO(j)** - use current techniques, skills, and tools necessary for AI and data science practice with an understanding of the limitations	**University Educational Aim 2.** • To enable our students to develop their capabilities in tackling novel situations and ill-defined problems
Upon successful completion of the curriculum, students should be able to: **PLO(f)** - demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities **PLO(h)** - analyze the local and global impact of AI and data science technology on individuals, organizations, and society	**University Educational Aim 3.** • To enable our students to develop their capabilities in critical self-reflection, greater understanding of others, and upholding personal and professional ethics

Upon successful completion of the curriculum, students should be able to: **PLO(f)** - demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities **PLO(g)** - communicate effectively with a range of audiences **PLO(h)** - analyze the local and global impact of AI and data science technology on individuals, organizations, and society	**University Educational Aim 4.** • To enable our students to develop their capabilities in intercultural communication, and global citizenship
Upon successful completion of the curriculum, students should be able to: **PLO(e)** - function effectively on teams to accomplish a common goal **PLO(g)** - communicate effectively with a range of audiences	**University Educational Aim 5.** • To enable our students to develop their capabilities in communication and collaboration
Upon successful completion of the curriculum, students should be able to: **PLO(d)** - design, implement, and evaluate an AI and data science solution, process, component, or programme to meet desired needs with appropriate consideration for public health and safety, social and environmental considerations **PLO(e)** - function effectively on teams to accomplish a common goal **PLO(h)** - analyze the local and global impact of AI and data science technology on individuals, organizations, and society	**University Educational Aim 6.** • To enable our students to develop their capabilities in leadership and advocacy for the improvement of the human condition

February 2025