Appendix 4

Graduate Profile of Bachelor of Science (Hons) in Artificial Intelligence

Qualification Title	Bachelor of Science (Hons) in Artificial Intelligence 人工智能（榮譽）理學士
Qualification Type	Bachelor (Honours) degree in science
QF Level	5
Primary Area of Study and Training	A04 Computer Science and Information Technology
Sub-area (Primary Area of Study and Training)	Computer Science and Information Technology
Programme Objectives	1. Develop in students a thorough understanding of the theoretical and practical aspects of artificial intelligence. 2. Equip students with the ability to construct computational systems which can transform large volume of data into actionable decisions with intelligence; and interpret sensory inputs from humans to formulate innovative solutions using artificial intelligence to meet daily life challenges and business needs. 3. Nurture students to become prudent and versatile global citizens who appreciate and respect cultural diversity. 4. Cultivate students' personal integrity, ethical standards, individual values and attitudes, social responsibility, and critical and creative thinking skills to meet the challenges of the future.
Programme Intended Learning Outcomes	Upon completion of the Major, students should be able to: I. Apply essential concepts, principles and practices of artificial intelligence to make decisions in solving problems in a variety of career settings. II. Design and implement artificial intelligence solutions to enhance productivity in selected industries. III. Understand the impact of artificial intelligence in socio-political, economic and ethical context. IV. Act professionally with a sense of integrity, accountability and responsibility. V. Use effective communication and interpersonal skills in business and technical communities. Upon completion of the General Education component, students should be able to: I. Apply intellectual and practical skills, including proficiency in written and oral communication, inquiry techniques,

	critical and creative thinking, quantitative reasoning and problem-solving skills in a broad range of personal and professional contexts. II. Achieve global awareness by gaining knowledge of diverse peoples and cultures, and develop the ability to interact with others in culturally diverse settings; III. Explain the dynamics of the natural and social world through the study of arts and humanities, science and technology, social sciences and Greater China; and IV. Demonstrate the capacity and resourcefulness for lifelong learning and life management for assuming individual and social responsibilities to fulfill the needs of personal and professional lives.
Education Pathways	Graduates are expected to be eligible to enrol in most post-graduate studies for a master's degree related to artificial intelligence, including Master of Science (MSc) Program in Big Data Technology and Master of Science (MSc) Information Technology in HKUST, Master of Science in Computer Science in HKU, CUHK or CityU, Master of Science (MSc) in AI and Digital Media and Master of Science (MSc) in Advanced Information Systems in HKBU and Master of Science in Information Technology in PolyU. Graduates may also continue to engage in artificial intelligence related disciplines at more advanced levels by articulating to the Master of Computer Science (Machine Learning and Big Data) in University of Wollongong. Graduates will also have a wide range of overseas master's degree programmes to select from the universities in Australia, the United Kingdom, the United States and mainland China.
Employment Pathways	Graduates of the programme should be able to seek employment in the following positions: • Software engineers/developers • AI Application Developer • Junior AI Engineer • Machine Learning Developer • Data Analytics (AI & Robotics) • Data Scientist
Minimum Admission Requirements	<u>Year 1</u> (i) obtain Level 3 in Chinese Language and English Language and Level 2 in Mathematics and Liberal Studies plus one Elective/Applied Learning Subject at Level 2 ("3322+2") in HKDSE; OR (ii) pass AS Use of English and AS Chinese Language and

	Culture plus one AL subject/two AS subjects in HKALE and Level 2 for Chinese Language and English Language plus passes in three other subjects in HKCEE; OR (iii) obtain equivalent qualifications. <u>Year 3 Entry</u> Holders of an Associate Degree or a Higher Diploma in similar or relevant discipline from a recognized tertiary institution in Hong Kong or overseas with a cumulative GPA of 2.0 or above or equivalent