

# Programme Objectives and Intended Learning Outcomes

## Programme Objectives (POs)

The programme objectives are to:

1. Equip students with fundamental knowledge in Industrial Internet of Things (IIoT);
2. Enhance students' understanding of IIoT and the upstream and downstream technologies such as smart manufacturing, digital twin, wireless technologies, cloud computing, and data analytics;
3. Develop students' hands-on capacities, problem-solving skills, and self-learning ability; and
4. Prepare students for careers or academic pursuit in IIoT or other ICT areas, in Hong Kong and other GBA cities.

## Programme Intended Learning Outcomes (PILOs)

Upon completion of the programme, students should be able to:

1. Present and communicate ideas in a manner appropriate to the circumstances in social and academic contexts;
2. Use information technology and quantitative/ numerical skills to manage information and solve general problems;
3. Explain the concepts and principles of computer systems, wireless technologies, sensors technologies, cloud computing, and embedded systems of IIoT, and their applications;
4. Integrate IIoT knowledge and choose appropriate hardware/ software components in practice; and
5. Design and develop basic IIoT solution for simple applications.