



香港資優教育學苑

The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助  
Subvented by the Education Bureau, the Government of the HKSAR



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A4ENG009C

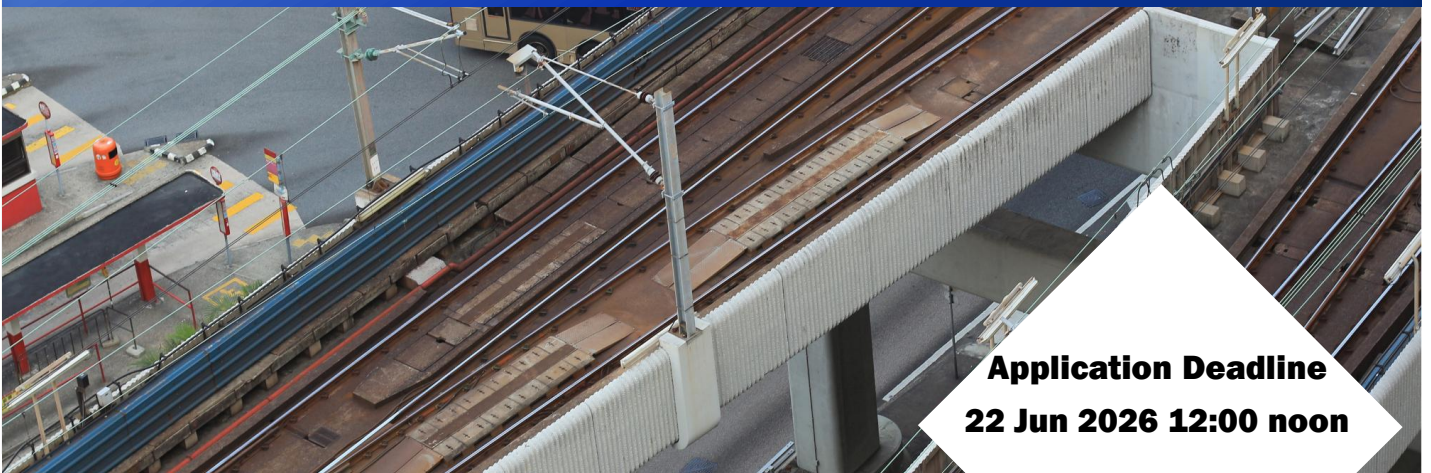
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## [ Gifted Programme ]

### Engineering Course (Level IV)

# How Railway Shapes Our City – Delving into the Hong Kong’s Railway Industry (Railway operations and management) (Phase III)

Instructors from MTR Academy



**Application Deadline**  
**22 Jun 2026 12:00 noon**

**Result Release**  
**23 Jun 2026**

## Intended Learning Outcomes

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

1. understand the concept of station operations and management;
2. develop practical skills through role-play exercises that simulate various station operation scenarios; familiarize with various station facilities;
3. acquire insights into the considerations and challenges of station design and network planning; identify different types of trains and driving modes;
4. differentiate the roles and functions of the Operations Control Centre (OCC) in managing and coordinating train operations;
5. build up a mindset of Environmental Social Governance (ESG);
6. develop a broad understanding and perspectives related to railway management

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

## ◆ Gifted Programme Introduction

This phase aims to offer participants an engaging experience in the realm of railway transport and its intricate operations and management. Through a combination of theoretical knowledge and practical experiences, participants will gain profound insights into the multifaceted railway operations and control. During this phase, participants will have the opportunity to attend a diverse range of interactive sessions, workshops, and site visits meticulously crafted to provide them with an authentic and comprehensive understanding of the dynamic world of railway operations and management.

## ◆ Schedule

Session	Date	Content	Time	Venue
1	18 Jul (Sat)	Station operations and management	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
2		Workshop on station operations	1:30pm – 4:30pm	MTR Academy Hung Hom Centre
3	21 Jul (Tue)	Station facilities	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
4		Site visit to MTR Station	1:30pm – 4:30pm	MTR Kowloon Station
5	25 Jul (Sat)	Station design and network planning	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
6		Visit to Operations Training Centre (OTC)	1:30pm – 4:30pm	MTR Kowloon Bay Depot
7	28 Jul (Tue)	Train operations and management	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
8	30 Jul (Thu)	Visit to Operations Control Centre (OCC)	9:00am – 12:00 noon	MTR Tsing Yi Station
9	1 Aug (Sat)	Environmental Social Governance (ESG) in railway operations	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
10	4 Aug (Tue)	Group Presentation	9:00am – 12:00 noon	MTR Academy Hung Hom Centre

## ◆ Suitable for

- S2 to S6 HKAGE student members in 2025/26 school year
- Class size: 35

This programme is same Engineering Course (Level IV): How Railway Shapes Our City – Delving into the Hong Kong’s Railway Industry (Railway operations and management) (Phase III) (A4ENG006C) in 24/25 school year.

## ◆ Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 7 sessions; and
- completed all the assignments with satisfactory performance

## ◆ Screening

- Students from Phase I and Phase II will be given priority offers. Admission will be based on the performance in the assessment of phase I (A4ENG008C) or Phase II.
- For students who are **NEW** to this programme, would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

## ◆ Medium of Instruction

Cantonese with English Handouts