



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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A4ENG006C

(Token- required)

## [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**  
**2 Jul 2025 12:00 noon**

**Result Release**  
**3 Jul 2025**

## 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	22 Jul (Tue)	Station operations and management	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
2		Workshop on station operations	1:30 pm – 4:30 pm	MTR Academy Hung Hom Centre
3	24 Jul (Thu)	Station facilities	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
4		Site visit to MTR Station	1:30 pm – 4:30 pm	MTR Kowloon Station
5	26 Jul (Sat)	Station design and network planning	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
6	29 Jul (Tue)	Train operations and management	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
7		Site visit to Operations Training Centre (OTC)	1:30 pm – 4:30 pm	MTR Kowloon Bay Depot
8	31 Jul (Thu)	Operations Control Centre (OCC)	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
9	2 Aug (Sat)	Environmental Social Governance (ESG) in railway operations	9:00am – 12:00 noon	MTR Academy Hung Hom Centre
10	7 Aug (Thu)	Group Presentation	9:00 am – 12:00 noon	MTR Academy Hung Hom Centre

## ◆ Suitable for

- S2 to S6 HKAGE student members in 2024/25 school year
- Class size: 35
- Priority will be given to student members who have been successfully completed the phase II programme (A4ENG005C).
- For new student members, they would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

This programme is same as Engineering Course (Level IV): How Railway Shapes Our City – Delving into the Hong Kong's Railway Industry (Phase II) in 23/24 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

## ◆ Medium of Instruction

Cantonese with English Handouts