



A4ENG002C

(Token- required)

[**Gifted Programme**]

Engineering Course (Level IV)

How Railway Shapes Our City – Delving into the Hong Kong's Railway Industry (Phase II)

Instructors from MTR Academy



Application Deadline

27 Mar 2024 12:00 noon

~~20 Mar 2024 12:00 noon~~

Result Release

28 Mar 2024

~~22 Mar 2024~~

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; describe different types of trains and driving modes;
4. understand the roles and functions of the Operations Control Centre (OCC) in managing and coordinating train operations;
5. acquire knowledge on Environmental Social Governance (ESG) in the railway industry.

◆ 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.

- Phase III: Jul – Aug 2024

◆ Schedule

Session	Date	Time	Venue
1	13 Apr 2024	9:00am – 12:00 noon	Operations Training Centre ¹
2		1:30pm – 4:30pm	
3	20 Apr 2024	9:00am – 12:00 noon	Site Visit
4		1:30pm – 4:30pm	
5	27 Apr 2024	9:00am – 12:00 noon	Operations Training Centre ¹
6	4 May 2024	9:00am – 12:00 noon	
7		1:30pm – 4:30pm	Site Visit
8	11 May 2024	9:00am – 12:00 noon	Site Visit
9	18 May 2024	9:00am – 12:00 noon	Operations Training Centre ¹
10	25 May 2024	9:00am – 12:00 noon	

Address¹: 33 Tai Yip Street, Kowloon Bay

◆ Target Participants

- S2 to S6 HKAGE student members in 2023/24 school year
- Class size: 35

◆ Medium of Instruction

Cantonese with English Handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 8 sessions; and
- completed all the assignments with satisfactory performance

◆ Screening

- Student from the Phase 1 are not required to answer the screening questions. Admission will be based on the performance in the assessment of phase 1 (A4ENG001C)
- For students who are **NEW** to this programme, please answer the screening question in the online application form.

*The screening question is designed to help the applicant understand the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of railway operations and engineering in the screening question can be enrolled in the programme