



## 煙控工程系統設計課程 Smoke Control Engineering System Design

註：此課程已獲「建築、工程及城市規劃專業委員會」（消防工程專業範疇）認可時數 12 小時。

### 專業提昇 Professional Enhancement

- ◆ Enriches knowledge and competency in the design of smoke control systems for building design.
- ◆ Understanding the basic concept of various types of smoke control systems.
- ◆ Familiarize with the smoke control design procedures, inspection and approval processes in Hong Kong.
- ◆ Cases sharing.
- ◆ 豐富煙霧控制系統設計的知識和能力
- ◆ 了解各類煙霧控制系統的基本概念。
- ◆ 熟悉香港的煙霧控制設計程序、檢驗和審批程序。
- ◆ 案例分享。

### 課程簡介 Introduction

The objective of this course is to provide an opportunity for engineering professionals who want to learn the basic understanding of smoke control system design when designing buildings. This course emphasizes the basic concept of smoke control system design including staircase pressurization system, smoke extraction systems, etc. The design is based on BS 5588 Part 4 and Hong Kong Fire Services Department Code of Practice.

本課程的目的是為希望在設計建築物時，為了解煙霧控制系統設計基本知識的工程專業人士提供一個機會。本課程強調煙霧控制系統設計的基本概念，包括樓梯增壓系統、排煙系統等。設計基於 BS 5588 Part 4 和香港消防處實務守則。

### 課程大綱 Content

1. **Overview of smoke control system (2 hours) 煙控系統概要**  
Introduction to smoke control system, including definitions, reference books, staircase pressurization system, smoke extraction system, other related smoke control systems.
2. **Overview of relevant standards (2 hours) 有關標準概要**  
Introduction to relevant standards, including “BS 5588 Part 4, (UK)”, “Hong Kong Code of Practice for Minimum Fire Services Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment, (HKFSD)” and other relevant standards.
3. **Staircase pressurization system (2 hours) 樓梯加壓系統**  
Introduction to staircase pressurization system, including design process, design calculations, submission procedures, inspection and approval process in Hong Kong
4. **Smoke extraction system (2 hours) 排煙系統**

Introduction to smoke extraction system, including design process, design calculations, submission procedures, inspection and approval process in Hong Kong

5. **Other smoke control systems (2 hours) 其他煙控系統**

Introduction to other smoke control systems, including ventilation air-conditioning control (VAC), zone pressurization system, etc.

6. **Case studies (2 hours) 個案分析**

Various case studies will be presented

**教學對象 Target**

Fire/Building Services/Civil/Structure Engineers, Architects, Surveyors, Town Planners, Contractors  
消防/建築工作者/土木/結構工程師, 建築師、測量師、城市規劃師、承包商

**授課語言 Medium of Instruction**

廣東語講授，筆記以英文為主輔以中文資料 To be conducted in Cantonese

**報名地點 Venue for Enrollment**

澳門氹仔偉龍馬路澳門科技大學 O 座 6 樓 博雅學院

SLA, 6/F Block O, Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau

**上課地點 Venue for Class**

澳門氹仔偉龍馬路澳門科技大學（確實地點將於確認開課時以手機短訊通知）

**上課日期 Course Date & Time**

Course Code: S230100009	2023/05/06 & 05/07	Sat, Sun 10:00-13:00; 14:00-17:00	總課時 12 小時 Total 12 hours
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**課程費用 Tuition Fee** MOP 2,400

**收生名額 Class Size** 40 人

**\* 報名注意事項 Enrollment Notes \***

**報名時間：星期一至五(9:00 – 13:00; 14:30 – 20:00) [公眾假期除外]**

**Operation hours: Monday to Friday (9:00 – 13:00; 14:30 – 20:00) [Close at Public Holidays]**

1. 首次報讀本院短期課程者，請先登入**網上報名系統**（網址：<https://scs.must.edu.mo/oasc/PersonalInfo.do>）或掃描以下的 QR Code，選擇 **<工程學和工程行業>** 類別，預先登記個人資料（不需上傳身份證），填妥資料後，帶備身份證正、副本至本院辦理報名。

For those who enroll for our courses for the first time, please go to <https://scs.must.edu.mo/oasc/PersonalInfo.do> or scan the QR Code below, choose the category of **<Engineering>**, and input personal information (no need to upload ID copy). After registration online successfully, please come to our school to make payment. You should bring along with your ID card and copy.

2. 所有費用一經繳交，恕不退還（本院取消開辦該課程除外）或轉讓。  
All payment made is not refundable (except that the course is cancelled by the School) or transferable.

3. 如課程報名人數不足，本院保留課程取消或延期的權利。  
The School reserves the right to cancel or postpone the courses if minimum class size is not reached.



**查詢 Enquiries**

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Website: <http://www.must.edu.mo/sla/diploma-certificate-programs>

博雅學院致力開拓終身學習機會，如欲收到本學院之課程資料，可發電郵至 [sla@must.edu.mo](mailto:sla@must.edu.mo)，並提供閣下之電郵地址，標題主旨為“加入通知群組”。

The School of Liberal Arts develops life-long learning opportunities. Should you wish to receive information on our programs / courses, please send us an email (to [sla@must.edu.mo](mailto:sla@must.edu.mo)) stating your email address in your email and “Join the mailing list” in the Subject line.

我們亦為機構/政府部門/學校等提供內部培訓，按各機構不同之要求(主題/時間/地點/對象)而訂定培訓內容。請與我們聯絡。

We also offer in-house training for corporations/Government Departments/schools, tailor-made with respect to your choices of topics, time, place, and group of attendees. Please contact us for more information.