

BASIC PLUMBING MAINTENANCE

卫生管道维修基本课程

INTRODUCTION

Construction industry in Singapore has transformed itself rapidly in recent years to meet modern demand and expectations of the consumers, and challenges of better building designs and materials. Tradesman training is a way to keep pace with the changing demand.

This course is targeted at the locals, handyman persons and practising tradesmen who require formal training, or new entrants who are keen to take up jobs in basic plumbing maintenance in buildings. Homemakers could also acquire useful skills to carry out basic maintenance work.

COURSE OBJECTIVES

This course aims to train and certify locals who are keen to acquire skills in basic plumbing maintenance. It also provides an opportunity for existing tradesmen to upgrade through a formal training program to be certified.

COURSE CONTENTS

Introduction – What Is Plumbing?

- Plumbing Materials and Joining Methods
- Joining Pipes of Dissimilar Materials
- Bending of Copper Tube
- Installation of Piping Project

Valves and Fittings & Its Working

- Stop Cock/Valve
- Gate/Sluice Valve
- Ball/Check Valve
- Temperature Pressure Relief Valve
- Installation of Water Piping (Copper Tube)

Water Distribution Network

- Mode of Water Supply to buildings
- Key components of Water Installation
- Water Meter, Tap and Tap Mixers and Its

Working Principles

- Installation of Copper Tubing Project

Sanitary and Plumbing System

- Sanitary and Plumbing Terminology
- Materials for Sanitary and Plumbing Installation
- Installation of Sanitary Piping

Sanitary and Plumbing Fixtures

- Common types of Water Heaters
- Types of Water Closets and Wash Basins
- Installation of Cistern and Basin
- Installation of Complete Sanitary System

Flushing Cistern and Its Mechanism

- Flushing Mechanism, Cistern Ball/Float Valve
- Common Problems of Flushing Cistern
- Common Problems of Flush Valve
- Sanitary and Plumbing System Installation

Common Problems of Sanitary and Plumbing Installation

- Sanitary Piping Blockages and Methods of Clearing
- Safety and Health Precautions
- Noise Problems in Plumbing System
- Sanitary and Plumbing System Installation

Revision and Preparation for Test

- Revision and Review of Recent Developments

Please note that BCA Academy will stop offering this course by 31 December 2022. Those who would like to submit course applications, please do so before 31 December 2022

ENTRY REQUIREMENTS

The courses are mainly targeted at local workers who are new entrants (i.e. those who do not have any experience in the trade). The entry requirements are:

- Singaporeans, Permanent Residents or holders of valid Work Permits.

LANGUAGE OF INSTRUCTION

- English

CERTIFICATION

Participants who have attended at least 75% of the training sessions and passed the course assessments will be issued with the Certificate of Successful Completion (CSC).

ADMINISTRATIVE DETAILS

Intake : To be confirmed

Duration : 60 hours (8 days or 15 evenings)
(Training: 58 hours; Test/Assessment: 2 hours)

Time: Day Class: 8.30am - 5.30pm
Evening Class: 6.00pm - 10.00pm

Venue : BCA Academy, 200 Braddell Road

Fee with GST: **S\$1,000.00** (without subsidy)

Fee payable (inclusive of GST) by company after SDF* course fee support: **Pending for approval**

***Skills Development Fund (SDF) is pending for approval.**

Prior to the registration, companies are required to enrol their staff (Singaporean or Singapore Permanent Resident) through the SSG's SkillsConnect system @ www.skillsconnect.gov.sg. Eligible applicant only pays the balance of course fee (inclusive of GST) after SDF course fee support.



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/login> or scan QR code and search for course code **43004**