

HYDRAULIC EXCAVATOR OPERATION

A 64 - hour course leads to a Certificate of Successful Completion (CSC) recognised for hydraulic excavator operation

INTRODUCTION

The hydraulic excavator course provides training and practical hands-on operation in a range of excavation work processes. Those intending to operate the excavator or new excavator operators should attend this course.

COURSE OBJECTIVE

This course aims to equip both new and inexperienced workers with the knowledge and skills on the safe operation and basic maintenance of the hydraulic excavator.

COURSE CONTENTS

Two third of the course will focus on practical excavator operation such as routine inspections, digging, trenching, backfilling, levelling, machine traveling etc. The other one-third comprises of classroom lectures. The course will cover the following topics:-

- General knowledge on earthworks and surveying
- Principal components, power and transmission systems of an excavator
- Daily inspection and weekly maintenance of the excavator
- Pre-start and shut-down procedures
- Trenching, ditching and slope cutting techniques
- How to maintain stability in operation
- Good practices for backfilling, travelling and loading excavated materials onto vehicle
- Safety requirements
- Interpret drawings, calculate earth quantities, levels, slopes and width of excavations.

ENTRY REQUIREMENTS

- At least 18 years of age
- Singapore Citizens, Singapore Permanent Residents or holders of valid work permit

LANGUAGE OF INSTRUCTION

- English or Mandarin

CERTIFICATION

Participants have to attend at least 75% of the training session to be eligible to take the written and practical assessment. Those who successfully pass the course assessment will be awarded the E-Certificate of Successful Completion in Hydraulic Excavator Operation. CSC holders with at least 2 months of post-CSC site experience can register for the Skills Evaluation Certificate (K) test in Hydraulic Excavator Operation.

ADMINISTRATIVE DETAILS

Intake : Regularly subject to minimum class size enrolled. (Confirmation of training place is based on a first come, first served basis)

Duration: 64 hours (9 days or 18 evenings)
(Training: 64 hours;
Test/Assessment: 8 hours)

Time : 8.30am to 5.30pm (day class)
6.00pm to 10.00pm (evening class)

Venue : BCA Academy, 200 Braddell Road

Fee with GST: \$2,100.00 (without subsidy)



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 **44018**

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