

# 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:** \$1,900.00 (without subsidy)  
\$676.00 (with SDF Subsidy\*)  
\$301.87 (with Enhanced Funding for SME\*)  
\$301.87 (with Mid-Career Enhanced Subsidy for self-sponsored applicant#)

**\*Skills Development Fund (SDF)** is available for this course. Prior to the registration, company is required to enrol their staff (Singaporean or Singapore Permanent Resident) through SSG's SkillsConnect system at [www.skillsconnect.gov.sg](http://www.skillsconnect.gov.sg). Eligible applicants pay the remaining fee (after deducting SDF Funding) and GST.

### **# Mid-Career Enhanced Subsidy**

- Eligible for Singaporean aged 40 and above only
- Individual applicant shall submit completed application form, last 3 month's pay slips, and payment together with NRIC for verification at BCA Academy
- Applicant will be required to sign a declaration for the subsidy

**Note:** Course applicants may be eligible to receive course fee funding from government agencies subject to terms and conditions. If the applicant fails to fulfil the terms and conditions of the funding such that BCA Academy (BCAA) is unable to claim the funded portion of the course fee from the funding agency, the participant will be required to pay BCAA the funded portion of course fee that is no longer claimable by BCAA.



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**

For more information, please call 6248-9999 | Or email: [bca\\_academy@bca.gov.sg](mailto:bca_academy@bca.gov.sg) | For other seminars/courses details, please visit our website@ [www.bcaa.edu.sg](http://www.bcaa.edu.sg)

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