



## Apply Control Circuits Diagnostic Skills

**Code:** ACCDS

**Duration:** 21 Hours

**Synopsis:**

This course is developed to enable participants to acquire knowledge and skills to carry out fault finding on control circuit systematically and safely.

**Course Objective:**

On completion of this course, participants will be able to apply diagnostic skills on fault finding on control circuits.

**Course Outline:**

Knowledge:

- Control components and devices
- Electrical rating of control devices
- Bolts, nuts and fasteners
- Sensors & Switches
- Electrical/Mechanical/Pneumatic diagrams
- Assembly drawing and components layout
- Cable sizing
- Engineering safety devices
- Electrical protective devices
- Overload and Common faults

Abilities:

- Use control circuit and diagrams to interpret how circuits work
- Locate the faulty components and connections in the control circuit
- Remedy the faulty components and connections in the control circuit
- Improve machine yields time through continual Improvement

## For Whom:

Suitable for Line or Team Leaders, Technicians, Supervisors and Engineers.

## Entry Requirements:

Participants are assumed to:

- Have the fundamental knowledge on electrical and electronic devices & circuits; and
- Have completed 'O' Level or equivalent; or
- Have the ability of:
  - Basic knowledge of the Singapore Workplace Safety and Health requirements;
  - Follow written and oral work instructions;
  - Listen, read and write English at a proficiency level equivalent to the Employability Skills System (ESS) level 5;
  - Manipulate numbers at a proficiency level equivalent to Employability Skills System (ESS) level 5.

## Training Medium:

This course is conducted in English.

## Training Methodology:

This course is delivered through lectures, hands-on and demonstration.

## Assessment Methodology:

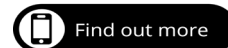
Practical assessment is conducted at the end of the course.

## Certification:

A Certificate of Proficiency will be awarded to participants upon completing and passing the assessment. Otherwise, a Certificate of Participation will be issued to those who attained a minimum attendance of 75%.

## Contact Us:

For further information or registration, please contact +65 6483 2535 or email [emarketing@elitc.com](mailto:emarketing@elitc.com)



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