



## Apply Basic Engineering Mathematics at Work

**Code:** ABEM

**Duration:** 21 Hours

### Synopsis:

This course is developed to enable participants to acquire knowledge and skills of Basic Engineering Mathematics and apply these to solve problems encountered at work with a clear and logical way.

### Course Objective:

On completion of this course, participants will be able to apply the necessary knowledge on the mathematical principles and application skills to solve problems encountered at work.

### Course Outline:

Knowledge:

- The application of Arithmetic Calculations
- The application of Electrical unit conversions
- The application of Algebra
- The application of Trigonometric
- The application of Number System
- The basic electrical principles
- Ohm's law on series and parallel circuit
- Statistical methods to analyse problems encountered

Abilities:

- Determine the basic mathematics, electrical and logic control in accordance with its working principles
- Apply the basic mathematics, electrical and logic control in accordance with its working principles
- Solve problems encountered by using basic Engineering Mathematics in accordance with its working principles

### For Whom:

Suitable for machine specialists, planners, craftsman, technicians, engineering assistants, line or team leaders and supervisors.

### Entry Requirements:

Participants are assumed to:

- Have completed 'O' Level or equivalent; or
- Have the ability of:
  - Follow written and oral work instructions;
  - Be able to listen and speak English at a proficiency level equivalent to the Employability Skills System (ESS) level 4 and above;
  - Be able to read and write English at a proficiency level equivalent to ESS level 4 and above;
  - Be able to manipulate numbers at a proficiency level equivalent to ESS level 4 and above.

### Training Medium:

This course is conducted in English.

### Training Methodology:

This course is delivered through lectures, group activities and discussions.

### Assessment Methodology:

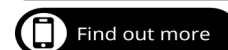
Written assessment is conducted at the end of the course.

### 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@elitic.com](mailto:emarketing@elitic.com)



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