

Overhead Line Design Mathematics

Overview

The Introduction to Overhead Line Design Mathematics course was developed in response to feedback from those who participated in the micro-credential in Overhead Line Design who felt their mathematics knowledge needed refreshing before beginning the technical modules.

The course is not a compulsory part of the micro-credential but is recommended.

The course has been designed to support entry into the micro-credential for those who either haven't studied math for quite some time, or who feel they need to refresh their basic algebra and trigonometry knowledge before beginning one of the micro-credential modules.

The course is suitable for technical engineers and electrical tradespeople who work as a line designer and are aware of gaps in their knowledge of the mathematics involved. Participants will already have a basic understanding of electrical theory and NCEA Level 1 (or equivalent) mathematics skills.

Through the course, you will be able to perform basic mathematic calculations, to interpret and use engineering formulae, and perform checks on engineering design calculations.

Theoretical knowledge and skills are shared through two stand-alone modules delivered in webinar workshops. Practice is undertaken as homework between workshops, and 'cheat-sheets' are provided as takeaways to help you in your job.

The two modules are:

- Module 1 – Algebraic equations (delivered in three 1.5hr workshops)
- Module 2 – Trigonometry (delivered in two 1.5hr workshops)



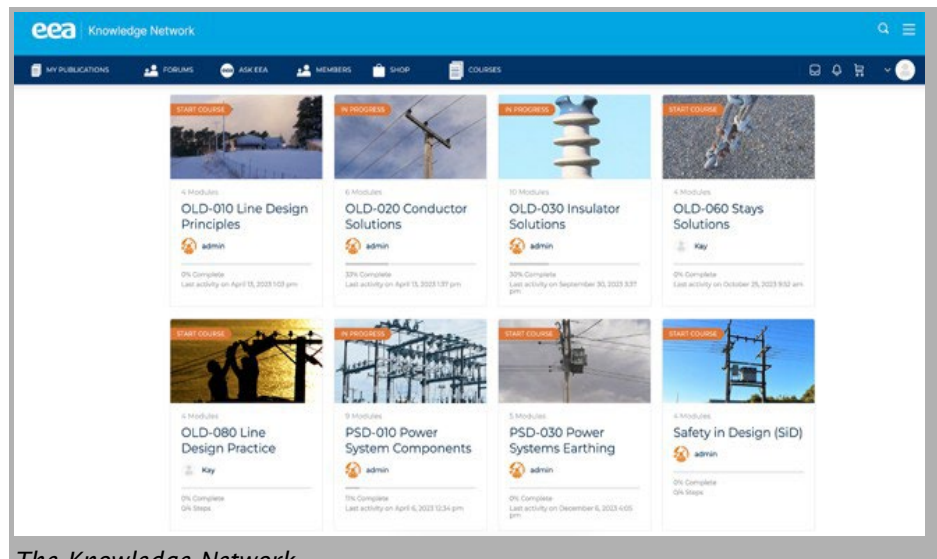
How to access the Knowledge Network and EEA courses

Course information

All course information including dates and prices and links for course registration are available on the Professional Development section of the EEA website.

Some courses or modules can be started at any time of the year, while others need a minimum number of attendees to start as a cohort together to allow for collaboration and group work. For these courses, once we reach enough registrations, we will confirm the start date with you.

You can also email us admin@eea.co.nz to let us know you are interested in a future course.



The Knowledge Network

Completing your course

Most EEA courses and modules are hosted on the EEA's Knowledge Network and after registration you'll get an email letting you know how to login to the system to begin your course. We'll let you know the next steps as you progress through your course work.

Cancellation Policy

If you cancel at least 10 business days before the course commences, you will receive a full refund, minus a non-refundable \$100 administration fee. If you have not paid for your course, you will receive an invoice for the \$100 administration fee. If you cancel within 10 business days of the course starting date, you will be charged the full fee, even if you have not yet paid. A replacement attendee is an alternative option, but please let us know prior to the course start. Non-payment does not constitute a cancellation.

Contact details

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