Reach your true potential as an engineer.

Courses designed with every engineer in mind.

As the engineering sector continues to face rapid development, we recognise your learning needs will evolve with the change.

In Learning Partnerships, we’re here to help you refresh your knowledge and skills, advance your career, and reach your true potential as an engineer. Our vision for the work we do is clear:

“Empower our community to engineer better lives for people by collaborating with experts and building relevant knowledge that enhances engineering capabilities”.

To help fulfil this vision and better support you to navigate our professional development learning activities, we’re pleased to present you with dates for most of our 2023 courses.

We’re excited to continue our popular courses like Project Management for Engineers as well as offer new courses like Fundamentals of Pile Design in Liquefiable and Expansive Soils. Our online and face-to-face mix will continue, and with Covid restrictions removed, we’re pleased we can extend course delivery to more regional locations.

An exciting new initiative for 2023 is our suite of self-guided, online introductory modules that provide an essential learning platform for engineers. Most importantly, they’re free for paid members to encourage stress-free access and completion. You won’t see these modules listed here because they’re self-guided – instead find them at the learning and events page on our website.

We’re here to help you do amazing things, so engineer your career in 2023 with Engineering New Zealand behind you.

Dr Nick Kimber
Learning Partnerships Manager

Course confirmation
We need a minimum number of registrations before the scheduled course dates are confirmed. We’ll aim to make the decision 3–4 weeks ahead of the delivery date.

Questions?
Email learn@engineeringnz.org
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In-house courses for your organisation

If you’re interested in any of the above offerings for 10 or more people in your organisation, it may be worth exploring an in-house (private) course.

Perhaps you want to train graduates in Project Management, or a group of new managers need HR training. We’ll do all the work for you to make it happen.

Courses can be customised to the needs of your organisation at a date that suits you and our presenter.

Most courses can be delivered face to face or online. Please note: we don’t currently offer hybrid options (face to face and online simultaneously).

Get in touch with us to learn more. We’d love to chat!

Testimonials

“Encouraging our staff to invest time in their professional development and upskilling is important to us – and Engineering New Zealand has played a big role in making this happen. After identifying our team’s training requirements, we worked closely with their Learning Partnerships group to see how they could assist with our in-house training. The beauty of in-house training is the benefit and ease of running courses on key topics to a number of staff, from the comfort of our own office. We look forward to continuing in-house courses through Engineering New Zealand in the future.”

– Kirsten Hall, Office Manager, Davis Ogilvie

“Hosting in-house learning through Engineering New Zealand offers broad value to our staff. The Engineering New Zealand team and the course facilitators engage with us to add content more meaningful to our areas of work – this gives our staff the benefits of targeted and bespoke learning alongside the standard course content. The post-course survey and engagement provides a great measure of the course success and staff take-aways which helps ensure year-on-year currency and value.”

– Colin Dryland, General Manager, Engineering, Woods
Communication

Specification practice for engineers
Learn best practice specification development and writing principles so that you, your clients and designers (hardware and software) can communicate technical requirements in a clear, unambiguous and structured way.

4.5 hours
Online options only
Piet Beukman
Members: $385 pp  Non-members: $460 pp
14 June 16 November 22 August

Essential business writing
Effective writing is a powerful tool for engineers. Learn how to write in plain English to attract more business and achieve better results for your clients. You’ll get best practice tips on how to write concisely across different formats, including in your technical writing, tenders, reports, and correspondence.

7 hours
Online options only
Julia Shallcrass
Members: $600 pp  Non-members: 730 pp
1 March 25 August 2 June

Technical report writing
Succinct technical reports make everybody’s lives easier. This course will help you as an engineer and technical professional to sharpen your report writing skills so you can be confident you’re presenting clear and concise reports that serve their purpose.

5.5 hours
Online options only
Julia Shallcrass
Members: $580 pp  Non-members: $700 pp
26 April 11 October 19 July

Communication – how to influence and persuade
Engineers are expected to be able to negotiate with stakeholders to coordinate efforts. But how can you convince people with diverse goals and backgrounds to willingly collaborate to achieve a great outcome? In this course we’ll consider ethical and practical ways that will improve your ability to influence stakeholders’ perceptions and persuade them to take goal-directed action.

3.5 hours
Online options only
Gabrielle Duggan
Members: $200 pp  Non-members: $300 pp
15 February 25 October
Dealing with conflict situations
We all encounter challenging situations that require us to have difficult conversations – whether with colleagues or clients. This webinar introduces simple techniques to help deal positively with these conversations.

1 hour
Online options only
Sean Mcloughney
$90 pp – Screen sharing options available
20 April

Presentation skills – structure and delivery
If you have to prepare and deliver a presentation, you’ll want it to be engaging, well-structured and create impact with your audience. Our webinar provides top tips and tools to achieve this and reduce your nerves as a presenter.

1.5 hour
Online options only
Sean Mcloughney
$145 pp – Screen sharing options available
15 June

Construction sites

Temporary works – risk and awareness
Anyone setting up or managing temporary works needs to follow important safety procedures. This course covers the key points on New Zealand law, industry good practice, procedural control, basic design theory, and awareness modules for each of the most common forms of temporary works.

7.5 hours
Face to face options only
Brendan Attewell or Chris Hewwit
Members: $790 pp  Non-members: $900 pp

- 20 March  Auckland
- 23 March  Christchurch
- 10 May  Nelson
- 11 May  Auckland
- 22 June  Hamilton
- 28 June  Wellington
- 17 July  Christchurch
- 24 July  Invercargill
- 25 July  Auckland
- 15 August  Tauranga
- 23 August  Wellington
- 7 September  Auckland
- 18 September  Hawke’s Bay
- 17 October  Whangarei
- 31 October  Queenstown
- 9 November  Auckland
- 21 November  Taranaki
Piling

Pile design and analysis of single piles

This course will help practitioners from different backgrounds gain a deeper understanding of the most important aspects of pile design and analysis for single piles.

- **7.5 hours**
- **Online and face to face options**
- **Dr Martin Larisch**

**Online options**
- Members: $630 pp
- Non-members: $790 pp

**Face to face options**
- Members: $790 pp
- Non-members: $900 pp

- 13 April
- 10 August
- 30 November

- **Online**
- **Auckland**

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New course – Fundamentals of pile design in liquefiable and expansive soils

Learn about the fundamentals and principles of pile design in this pioneering new course. The course covers circumstances where the ground surrounding a foundation pile is subject to large deformations caused by either strength and/or volumetric changes of one or multiple soil layers. Changes can be due to soil liquefaction from shaking during an earthquake, or by shrink/swell behaviour caused by significant variations in soil moisture contents.

- **7.5 hours**
- **Online and face to face options**
- **Dr Martin Larisch**

**Online options**
- Members: $630 pp
- Non-members: $790 pp

**Face to face options**
- Members: $790 pp
- Non-members: $900 pp

- 2 March
- 27 April
- 3 May
- 4 May
- 20 July
- 17 August

- **Online**
- **Auckland**
Ethics

Ethics at work – practical insights
Explore personal, professional and business ethics. You’ll examine the difference between ethics and compliance and how ethical values can enhance business performance and overcome both conduct risk and ethical lapses.

Embedding ethics – masterclass for managers
Whether managing a business, team, or project, as the person in charge – the buck stops with you. You’ll learn practical ways to understand and manage bias, communicate ethical expectations, inspire ethical behaviour in dynamic environments and encourage a speak-up culture.

Leadership and people management

Team leadership – delegating your tasks
As a manager or team leader, how you successfully delegate tasks will be a big factor in helping your team realise their full potential. Learn about delegation approaches and the practical tools you can use to delegate tasks for a high performing team.
Team leadership – unlocking styles and approaches
People new to team leadership often focus on tasks and end-goals – but how do they develop into leaders that motivate and inspire their team to deliver those end-goals? This course will help you drill down into the team leader role, by examining leadership styles, and the characteristics needed to lead teams to success.

- 3.5 hours
- Online options only
- Gabrielle Duggan
- Members: $200 pp  Non-members: $300 pp
- 22 March  7 August

Better talent support, better performance
This two-part webinar series will help you improve your employee experience through better talent support, increase retention rates, and improve the performance of your team.

- 3 hours
- Online options only
- Sean Mcloughney
- $300 pp – Screen sharing options available
- 24 August and 31 August

New to managing a team – my next 100 days
If you have recently started your first management role, or plan to move to management in the near future, this webinar outlines practical skills, techniques, and priorities to establish your credibility and set you up for success.

- 3 hours
- Online options only
- Sean Mcloughney
- $300 pp – Screen sharing options available
- 25–26 May

Leader’s guide to performance management
This convenient online training course will teach you everything you need to know to move from technical expert to high-performing manager in four weeks. This course combines self-paced learning modules with online group coaching and Q&A sessions to suit all learning styles.

- 14 hours
- Online options only
- Julia Shallcrass
- $990 pp
  - Group options
    - $2,900 for three participants
    - $4,700 for five participants
    - $8,900 for 10 participants
- 15 March  7 June
  - 6 September
Engaging a multi-generational workforce
Learn how to engage and motivate staff from different generations, and you’ll be set up to manage the challenges and reap the benefits of working with millennials through to mature workers.

Manager’s guide to HR – interviewing, performance, misconduct
Managing a team is rewarding, but there’s a fair bit you need to know if you take on responsibility for staff. This three-week course is your practical guide to Human Resources for managing your team – from hiring to performance management, and everything in between.

Interviewing skills for managers
Explore how to select quality candidates in this HR and managers guide to interviewing skills for new hires – so you can build the best and brightest team.
Giving feedback and performance reviews
Giving feedback is essential for developing top performers. This course focuses on how to give effective feedback and coach staff for success. Participants will explore how to conduct performance reviews and set goals for high-performing teams.

Managing poor performance and misconduct
Do you need a comprehensive guide to managing poor performance and investigating misconduct? This course will give you practical tools to follow performance management processes and conduct disciplinary meetings.

Employment law for managers
If you have staff responsibilities, this is your guide to employment law compliance. Find out how to meet your employment law obligations from hiring staff through to termination, and everything in between.
Project management

Project management for engineers
Many practitioners who manage projects have never been formally exposed to the "big picture" of project management. This course aims to present structured, coherent and accepted best practice principles used to define, plan and execute projects.

Risk management for engineers
Risk affects all people across all activities. In this course we'll introduce you to a structured approach for the identification, planning, treatment and management of risk in an engineering context.

Leading project management
Set yourself up for success. If you're responsible for managing or leading projects at a senior level or involved in large projects, this course is for you. You'll learn the skills needed to lead and manage your team as well as manage the technicalities of the project itself.

Risk management for engineers
Risk affects all people across all activities. In this course we'll introduce you to a structured approach for the identification, planning, treatment and management of risk in an engineering context.
Retaining Walls

Gravity retaining walls
An introduction to general concepts and principles of the design and construction of gravity retaining walls, such as reinforced concrete walls, block walls and crib walls.

7.5 hours
Online and face to face options
Dr Martin Larisch

Online options
Members: $630 pp  Non-members: $790 pp
Face to face options
Members: $790 pp  Non-members: $900 pp

28 March
22 June
27 July
13 September
14 September
10 October
2 November
20 November
Auckland
Online
Auckland
Christchurch
Online
Hamilton
Nelson

Embedded retaining walls
An introduction to the general concepts and principles of the design and construction of embedded retaining walls such as sheet pile walls, soldier pile walls and timber pole walls.

7.5 hours
Online and face to face options
Dr Martin Larisch

Online options
Members: $630 pp  Non-members: $790 pp
Face to face options
Members: $790 pp  Non-members: $900 pp

15 June
29 June
29 August
27 September
28 September
17 October
16 November
4 December
Auckland
Online
Auckland
Christchurch
Queenstown
Online
Hamilton
Nelson

Self-leadership

Negligence and liability for engineers
Co-facilitated by an engineer and a lawyer, this course focuses on an engineer’s potential liabilities, and how you can best manage these in an ever-increasing litigious world. The course will consider the legal framework within which engineers are required to operate, and at a practical and technical level what you need to do to manage your risk, both financially and reputationally.

7.5 hours
Online and face to face options
Stuart Meakins and Susan Thodey

Online options
Members: $630 pp  Non-members: $790 pp
Face to face options
Members: $790 pp  Non-members: $900 pp

30 March
17 March
27 April
18 May
1 June
12 October
30 October
Online
Auckland
Online
Christchurch
Online
Queenstown
Online

Time management – planning your day, week and month
This webinar will help you to focus on how to prioritise and schedule work activities to bring the highest return on your time and win back control of your day.

1.5 hours
Online options only
Sean Mcloughney

$145 pp – Screen sharing options available

23 March
Time management for productivity
Effective time management is the key to your success as an engineer. In this course, find out how to balance competing priorities so you can complete work on time. Discover proven time management tools and techniques to complete work with greater efficiency.

10 habits of highly effective meetings
Meetings that have been poorly planned or run are frustrating and a poor use of time. Explore ways to run more productive and efficient meetings.

Resilience and wellbeing
Are you struggling to balance your professional goals with your personal wellbeing? Too many engineers feel stressed, burned out, and overwhelmed. Discover how to work in a flow state and create resilience to cope with and adapt to new situations.

Strategy for engineers
This course will present an overview of a practical and workable way of formulating a strategy for your business or venture that will work, by going beyond a mere “tick a box” approach.
NZS 3910:2013 – an introduction

This course examines NZS 3910 from the perspective of the Engineer to the Contract and Engineer’s Representative – who must perform a complex ‘dual role’ as adviser to and representative of the Principal – along with making decisions independently and impartially under the contract.

7.5 hours
Online and face to face options
Peter Degerholm

Online options
Members: $630 pp  Non-members: $790 pp

Face to face options
Members: $790 pp  Non-members: $900 pp

20 February  Online
27 February  Auckland
22 March  Hawke’s Bay
27 March  Queenstown
3 April  Online
16 May  Wellington
29 May  Christchurch
26 June  Online
17 July  Auckland

NZS 3916:2013 – design and construct

NZS 3916 was issued in 2013 as an adaptation from NZS 3910:2013 (NZS 3910) to deal with situations where the Contractor is responsible for overall design as well as construction. This course provides an overview of NZS 3916 and how it can be used to greatest effect.

4.5 hours
Online options only
Peter Degerholm

Members: $385 pp  Non-members: $450 pp

22 May

24 February  Online
28 February  Auckland
28 April  Online
18 May  Wellington
30 May  Christchurch
27 June  Online
18 July  Auckland

NZS 3910:2013 – practical applications

This course follows on from “NZS 3910:2013 – An Introduction”. You’ll receive practical guidance in the administration of construction contracts from the perspective of the Engineer to the Contract. We’ll cover how to issue instructions and variations, make decisions, review, approve or reject work and claims, issue certificates and involvement in disputes.

7.5 hours
Online and face to face options
Peter Degerholm

Online options
Members: $630 pp  Non-members: $790 pp

Face to face options
Members: $790 pp  Non-members: $900 pp

24 February  Online
28 February  Auckland
28 April  Online
18 May  Wellington
30 May  Christchurch
27 June  Online
18 July  Auckland
Stormwater

Stormwater management and design – an introduction
In this introductory course, you’ll get an overview of modern stormwater management and practical applications of design associated with it. You’ll hear about some of the common traps practitioners fall into – to help you avoid them in your own practice.

8 hours
Face to face options only
Allan Leahy
Members: $790 pp  Non-members: $900 pp

8 March Wellington
4 April Auckland
1 May Queenstown
6 June Whangarei
20 June Hawke’s Bay
19 July Nelson
26 July Christchurch
5 September Invercargill
19 September Tauranga
10 October Hamilton
14 November Auckland

The principles of stormwater treatment
This course introduces the principles of urban stormwater treatment. Learn about a range of stormwater treatment practices and consider their advantages and disadvantages for different applications.

8 hours
Face to face options only
Allan Leahy
Members: $790 pp  Non-members: $900 pp

9 March Wellington
5 April Auckland
2 May Queenstown
7 June Whangarei
21 June Hawke’s Bay
20 July Nelson
27 July Christchurch
6 September Invercargill
20 September Tauranga
11 October Hamilton
15 November Auckland