

## Engineering Education Hubs

In 2016, the Tertiary Education Commission (TEC) commissioned the report *Creating Engineers – Climbing the Educational Staircase* (Frater & Grigg) to investigate stair-casing and pathways as viable strategies and mechanisms for progression into, or within, engineering careers.



The report authors identified the need to address the issue of “lack of feedback and communication and control” within the engineering education supply chain, and proposed the set-up of regional education groupings in the form of “hubs” or “co-operatives”. In response, Engineering e2e has begun work to develop these hubs.

### Engineering education hubs scoping is underway

The investigation has begun with a literature review of education hub models, including those currently running overseas. The next step is a process of engagement with stakeholders to develop a vision and direction for engineering education hubs.

An outcome of this work will be a set of ‘factors’ which should be considered when establishing a hub. We want tertiary institutions to be able to operationalise a hub as they see fit but with a clear understanding of what they should achieve.

### What might an engineering education hub look like?

Engineering hubs would be regionally-based centres for engineering education which involve employers, high schools, universities, ITPs and ITOs.

Hubs would establish popular and effective pathways into engineering and offer a single entry point for engineering qualifications. Hubs would support students to make good decisions about their courses of study and allow them to staircase between qualifications.

Hubs would run secondary-tertiary pathways projects, cadetships, scholarships and work experience. They will implement new initiatives including co-created and taught curriculum and degree apprenticeships. Hubs will support initiatives which raise awareness of engineering.

## About Engineering e2e

THE ENGINEERING E2E PROGRAMME was set up by the Government in 2014 and managed by the Tertiary Education Commission (TEC). Our task was to find ways to attract more students into tertiary study in engineering to help address New Zealand’s critical shortage of engineers.

OUR STEERING GROUP comprises representatives of key stakeholder groups from the engineering sector, including education and employment in a wide range of disciplines. The 17 members of the

Group oversee and guide all of our initiatives and are a crucial link to the wider sector, playing an important role in gathering and disseminating information.

Key stakeholders are kept informed through our website [engineeringe2e.org.nz](http://engineeringe2e.org.nz) and monthly newsletters. On the site are case studies and other examples of innovative and best practice, pdfs of all our publications, and an ‘Our Progress’ page.