

Whakarāpopototanga Whakaaetanga

Approval Summary

Tūnga whakamana
 Accreditation status

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| Tautohu ID number | 129391-1 |
| Taitara Title | Contribute to sustainable practices in a construction environment (Micro-credential) |
| Momo Type | Micro-credential |
| Rangatira Owner | Waihanga Ara Rau Construction and Infrastructure Workforce Development Council (6046) |
| Kaupae Level | 04 |
| Whiwhinga tapeke Total credits | 10 |
| Tapeke hāora ako Total learning hours | 100 |
| Whāinga Aim | <p>The purpose of this micro-credential is to recognise the skills and knowledge needed to contribute to sustainable practices, and to critically evaluate emerging technologies that improve sustainable practices in a construction environment.</p> <p>A construction environment is any environment where construction, modification, or maintenance of buildings, structures, or infrastructure assets takes place.</p> <p>This micro-credential is intended for people currently working in a construction environment, or those with foundational experience who are building their capability in sustainable practices. It is suitable for workers across the construction and infrastructure trades, including material suppliers and people interested in environmental impact and sustainability in construction. Learners do not need to be in a leadership role or have advanced experience.</p> <p>The micro-credential supports the goals of whānau, hapū, iwi, and communities by encouraging construction practices that are environmentally, economically, and socially responsible. It also helps prepare workers to evaluate technologies that support kaitiakitanga (guardianship of the environment) and continuous improvement in the sector.</p> <p>New or emerging technology may relate to material technologies, technologies</p> |

influencing methods of work, legislative changes leading to technological changes, and/or digital technologies relevant to a specific construction environment or general construction practice that leads to positive sustainable outcomes. This may include technologies that are newly developed, recently introduced to the construction sector, or simply new to the learner or their workplace.

Kiko Content

- Environmental sustainability - water, air, soil, fauna, and flora, cultural significance, standard compliance (e.g. ISO 14001), following actions in an environmental protection plan (EPP).
- Economic sustainability - time, materials, resources.
- Social sustainability - contributions on site, inclusion, diversity, communication, conflict resolution, wellbeing.
- Business requirements for sustainability, contractual expectations.
- Local iwi and council expectations.
- Rāhui definition and appropriate responses
- Hazardous materials management - identification and handling of hazardous materials; Safety Data Sheets (SDS)
- Construction information sources and networks.
- Credible suppliers for construction.
- Formal (non-qualification) and informal training opportunities for construction.
- Developments in construction over time.
- New and emerging construction materials.
- Impact of automation and sustainability on new work methods.
- Digital technologies of influence to the construction trade.
- New or emerging legislative requirements related to construction.
- New or emerging technologies - e.g. prefabrication, QR code tracking for site logistics and deliveries, Building Information Modelling (BIM), lean principles to reduce waste and improve workflow
- Benefits and limitations of the new or emerging technology
- Mentoring and knowledge sharing.

Putanga Outcome

On successful completion of this micro-credential, learners/ākonga will be able to contribute to environmental, economic, and social sustainability in a construction environment, and evaluate a new or emerging technology for improving sustainable practices.

Paeuru Entry

There are no mandatory entry requirements for this micro-credential. However, learners/ākonga will need access to a construction environment.

Paerewa Standards

Ko te/ngā paerewa o tēnei hōtaka, tohu moroiti rānei, ka aromatawaihia:

The standard(s) assessed in this programme or micro-credential are:

| Tau ID Number | Taitara Title | Tūnga Status | Putanga Version | Kaupae Level | Whiwhinga Credits |
|------------------|--|-----------------|--------------------|-----------------|----------------------|
| 40293 | Contribute to sustainable practices in a construction environment | Registered | 1 | 4 | 5 |
| 40309 | Evaluate a new or emerging technology for a construction environment | Registered | 1 | 4 | 5 |
| Total Credits | | | | | 10 |

Tohu Awards

Ko ngā tohu, ngā tohu-moroiti hoki rānei kua oti hei wāhanga o tēnei hōtaka:
Qualification(s) and/or micro-credential(s) completed as part of this programme:

| Tohutoro Reference | Taitara Title | Kaupae Level | Whiwhinga Credits |
|-----------------------|---|-----------------|----------------------|
| 5387 - 1 | Contribute to sustainable practices in a construction environment (Micro-credential) - Waihanga Ara Rau Construction and Infrastructure Workforce Development Council | 4 | 10 |

Te Aratuku me te Aromatawai Delivery and Assessment

Kāore anō kia whakamanahia te rangatira kia kawē i tēnei hōtaka, i tēnei tohu moroiti rānei
The owner is not accredited to deliver this programme or micro-credential