



# agenda

Academic Board Standing Committee  
Electronic Meeting 27-29 March 2018

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**1. Programme Approval – New Zealand Certificates in Plumbing (Level 4, 249 credits), Gasfitting (Level 4, 235 credits) and Drainlaying (Level 4, 141 credits)**



# memo

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To	Committee Chair, Academic Board	Date	23/03/2018
From	Ciarin Smith - Programme Development Coordinator	Phone No.	ext. 8456
Subject	<b><i>Programme Approval for accreditation submission</i></b>		

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**Recommendation:**

***That Academic Board approves the following programmes effective from Semester 1 2018 for submission to NZQA:***

- ***New Zealand Certificate in Plumbing (Level 4, 249 credits)***
- ***New Zealand Certificate in Gasfitting (Level 4, 235 credits)***
- ***New Zealand Certificate in Drainlaying (Level 4, 141 credits).***

**Rationale**

The NZ Certificate in Plumbing is a new programme that sits in the Construction and Infrastructure network/Building Construction and Services pathway. Unitec currently delivers the National Certificate in Plumbing and Gasfitting, which will be expiring following the NZQA's Mandatory Review of Qualifications (MRoQ). The new programme has been developed in place of the current programme. The programme document has been reviewed by a panel of readers to ensure it meets Unitec and NZQA regulatory and compliance requirements. Their recommendations have been addressed as appropriate and I, on behalf of the readers, recommend that Academic Board approve this programme for submission to NZQA.

The NZ Certificate in Gasfitting is a new programme that sits in the Construction and Infrastructure network/Building Construction and Services pathway. Unitec currently delivers the National Certificate in Plumbing and Gasfitting, which will be expiring following the NZQA's Mandatory Review of Qualifications (MRoQ). The new programme has been developed in place of the current programme. The programme document has been reviewed by a panel of readers to ensure it meets Unitec and NZQA regulatory and compliance requirements. Their recommendations have been addressed as appropriate and I, on behalf of the readers, recommend that Academic Board approve this programme for submission to NZQA.

The NZ Certificate in Drainlaying is a new programme that sits in the Construction and Infrastructure network/Building Construction and Services pathway. Unitec currently delivers the National Certificate in Drainlaying, which will be expiring following the NZQA's Mandatory Review of Qualifications (MRoQ). The new programme has been developed in place of the current programme. The programme document has been reviewed by a panel of readers to ensure it meets Unitec and NZQA regulatory and compliance requirements. Their recommendations have been addressed as appropriate and I, on behalf of the readers, recommend that Academic Board approve this programme for submission to NZQA.

Ciarin Smith  
Programme Development Coordinator

## 1.0 PROGRAMME FACTUAL SUMMARY

### 1.1 New Zealand Certificate in Plumbing (Level 4)



## Unitec Institute of Technology Programme Factual Summary

### Programme Details: New Zealand Certificate in Plumbing (Level 4)

<b>Title of programme:</b>	New Zealand Certificate in Plumbing (Level 4)
<b>With Majors / Endorsements / Specialisations/ Pathways / Strands in (if applicable):</b>	NA
<b>Programme Abbreviation:</b>	Cert
<b>Level:</b>	4
<b>Total credits:</b>	250
<b>DAS (unit or achievement standards) credits:</b>	27 credits
<b>Unitec credits:</b>	223
<b>Programme Number:</b>	<div></div> <i>Allocated by NZQA at time of submission – please leave blank</i>
<b>Programme Owner:</b>	Unitec
<b>Qualification:</b>	New Zealand qualification
<b>Qualification award category:</b>	
<b>NZSCED subject classification:</b>	040327
<b>Nature of approval sought:</b>	Programme approval and accreditation Government funding
<b>Proposed Start date:</b>	23 July 2018
<b>New programme or existing programme amended:</b>	New Programme
<b>Brief Summary of changes made (if appropriate):</b>	NA

## Qualification Details

<b>Qualification Number:</b>	2663
<b>Qualification Title:</b>	New Zealand Certificate in Plumbing (Level 4)
<b>With Strands in (if applicable):</b>	NA
<b>Version:</b>	1
<b>Qualification Type:</b>	Certificate
<b>Level:</b>	4
<b>Credits:</b>	249
<b>Qualification developer:</b>	The Skills Organisation
<b>Next Review:</b>	December 2020
<b>Approval Date:</b>	June 2015

## Outcome Statements:

<b>Strategic Purpose Statement:</b> <b>[Aims]</b>	<p>The purpose of this qualification is to provide the plumbing sector with people who are suitably skilled as plumbing tradespersons and ready to apply for registration as a licensed plumber under the Plumbers, Gasfitters, and Drainlayers Act 2006.</p> <p>This qualification provides an entry into the plumbing industry and is intended for candidates who are training in the workplace and who can fulfil the requirements of the Plumbers, Gasfitters and Drainlayers Board Trainee Limited Certificate (TLC). Generally this is in conjunction with an apprenticeship.</p> <p>This qualification allows the New Zealand community to recognise that graduates, once registered and licensed, are able to legally carry out all sanitary plumbing work, essential for the safe delivery and removal of water. A licensed plumber can carry out any work involved in fixing or unfixing pipes, plumbing fixtures or appliances including; traps, waste or soil pipes, ventilation pipes, or overflow pipes and pipes that supply water.</p> <p>Licensed plumbers are qualified and licensed but must be supervised by a certifying person who is ultimately responsible for ensuring the work is done competently.</p>
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<b>Graduate Profile:</b>	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>• Install, maintain and repair plumbing systems in accordance with the legal requirements for a licensed plumber, including the following systems: <ul style="list-style-type: none"> <li>Water supply including backflow; Domestic fire sprinkler; Sanitary plumbing of appliances and fixtures; Foul Water; Hot water supply; Solar water heating; Rainwater handling; Ventilation and ducting; Pumps</li> </ul> </li> <li>• Interpret plumbing drawings and specifications</li> <li>• Understand and apply the legislative responsibilities of a licensed plumber</li> <li>• Make, install and repair flashings and penetrations and repair external envelope claddings that are associated with plumbing systems</li> <li>• Install, maintain and repair solid fuel space heaters</li> <li>• Install, maintain and repair profiled metal roofing and wall cladding</li> <li>• Work with consideration of other construction trades and related services on site and practice ethically</li> <li>• Apply material science and selection, trade physics, and environmentally sustainable considerations for plumbing systems</li> <li>• Apply safe working procedures and practices; identify and control hazards in a working environment; and isolate and test for safety and explain the limitations on plumbers carrying out electrical work</li> </ul>
<b>Education Pathway:</b>	<p>This qualification may build on the National Certificate of Educational Achievement (Level 2) [Ref: 0973]. The Vocational Pathway Award in Construction and Infrastructure is also relevant but not required.</p> <p>This qualification provides an entry into the plumbing industry and is intended for candidates who have an apprenticeship agreement in plumbing. It provides trainees with an opportunity to progress to being a fully credentialed tradesperson.</p> <p>The second entry pathway is the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660] that is intended for candidates who do not have an apprenticeship agreement in any of those trades.</p> <p>This qualification [Ref: 2663] can build on the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660], which is not a pre-requisite for this qualification. Some credits gained from the lower level qualification will contribute to this qualification.</p>
<b>Employment and/or Community Pathway:</b>	<p>Graduates will have met the competence requirements for a career in the plumbing industry and may engage as licensed plumbers once they have completed registration and other licensing requirements.</p>

<b>Content:</b>	Courses in this programme comprise of learning and practical sessions to gain the knowledge, skills and experience to install, test, commission, fault-find and maintain sanitary plumbing systems required to meet minimum competency for registration as a plumber. They include Pipes, Sanitary plumbing, Foul Water, Hot and Cold water reticulation, Water Storage systems, Rainwater Harvesting systems and alternative water supply systems, Pumps, backflow, Heating systems relate to sanitary plumbing, Domestic fire sprinkler and related trade calculations, materials and specifications, structural integrity of buildings, regulatory environments including health and safety requirements.
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#### Programme Specifications:

<b>Network(s):</b>	Construction infrastructure
<b>Practice Pathway(s):</b>	Building Services
<b>Delivery mode:</b>	Blended;
<b>Delivery methods:</b>	Classroom, lecture, tutorial, workshop, work-based, online etc.
<b>Delivery sites:</b>	Mt.Albert
<b>Assessment Methods:</b>	Formative and summative assessments using a range of approaches such as tests, presentations, practical observations, Individual and group assignments, projects etc.
<b>Assessment standards included: (if any)</b>	US23229, US15757, US18426, US17599, US28347
<b>Entry Requirements for KIS:</b>	<p>To be admitted to this programme, applicants</p> <ul style="list-style-type: none"> <li>• must hold a current plumbing certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• must be employed in the workplace as a trainee plumber.</li> </ul>
<b>Entry requirements:</b>	<p>To be admitted to this programme, applicants</p> <ul style="list-style-type: none"> <li>• Must hold a current plumbing certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• Must be employed in the workplace as a trainee plumber.</li> </ul>
<b>Student Profile:</b>	<input checked="" type="checkbox"/> Domestic Only <input type="checkbox"/> Domestic & International <input type="checkbox"/> International Only
<b>Student Destination:</b>	<input checked="" type="checkbox"/> More occupationally oriented
<b>Eligibility for student loans and allowances:</b>	Access to loans and allowances
<b>Nature of Funding sought:</b>	<input checked="" type="checkbox"/> SAC <input type="checkbox"/> Entrepreneurial <input type="checkbox"/> Contract for Service <input type="checkbox"/> Other
<b>Expected student intake:</b>	50
<b>EFTS</b>	2.075
<b>Duration of the Programme Full-time:</b>	NA

<b>Duration of the Programme Part-time:</b>	4 Years
<b>Maximum duration of the Programme:</b>	4 years
<b>Total weeks of the programme (including holiday weeks):</b>	136 weeks
<b>Total teaching weeks of the programme (excluding holiday weeks):</b>	128
<b>Total weeks of the programme per year (including holiday weeks):</b>	34
<b>Total teaching weeks of the programme per year (excluding holiday weeks):</b>	32
<b>Average Directed hours per week:</b>	4.5
<b>Average Work Experience hours per week:</b>	6.3
<b>Average Self-directed study hours per week:</b>	8.7
<b>Total study hours per week:</b>	19.5
<b>Total Study Hours for the programme:</b>	2496

#### Contact details

<b>Contacts:</b>	<p><b>Contact 1</b>  <b>Mark McNeill</b>  Dean of Construction, Infrastructure Engineering (Acting)  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  Phone: (09) 846 7369 Fax: 09 815 2907  Email: mmcneill@unitec.ac.nz</p> <p><b>Manpreet Malhotra</b>  Team Leader - Academic Service Centre  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  <b>Phone:</b> (09) 849 4321  <b>Email:</b> mmalhotra@unitec.ac.nz</p>
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**Date:** 13 Feb 2018

## 1.2 New Zealand Certificate in Drainlaying (Level 4)



### Unitec Institute of Technology Programme Factual Summary

#### Programme Details

<b>Title of programme:</b>	New Zealand Certificate in Drainlaying (Level 4)
<b>With Majors / Endorsements / Specialisations/ Pathways / Strands in (if applicable):</b>	NA
<b>Programme Abbreviation:</b>	Cert
<b>Level:</b>	4
<b>Total credits:</b>	142
<b>DAS (unit or achievement standards) credits:</b>	19 credits
<b>Unitec credits:</b>	123
<b>Programme Number:</b>	<div style="background-color: #FFC0CB; padding: 2px;"> </div> <i>Allocated by NZQA at time of submission – please leave blank</i>
<b>Programme Owner:</b>	Unitec
<b>Qualification:</b>	New Zealand qualification
<b>Qualification award category:</b>	
<b>NZSCED subject classification:</b>	040327
<b>Nature of approval sought:</b>	Programme approval and accreditation Government funding
<b>Proposed Start date:</b>	23 July 2018
<b>New programme or existing programme amended:</b>	New Programme
<b>Brief Summary of changes made (if appropriate):</b>	NA

#### Qualification Details

<b>Qualification Number:</b>	2661
<b>Qualification Title:</b>	New Zealand Certificate in Drainlaying (Level 4)



<b>With Strands in (if applicable):</b>	NA
<b>Version:</b>	1
<b>Qualification Type:</b>	Certificate
<b>Level:</b>	4
<b>Credits:</b>	141
<b>Qualification developer:</b>	The Skills Organisation
<b>Next Review:</b>	December 2020
<b>Approval Date:</b>	June 2015

#### Outcome Statements:

<b>Strategic Purpose Statement:</b> <b>[Aims]</b>	<p>The purpose of this qualification is to provide the drainlaying sector with people who are suitably skilled as drainlaying tradespersons and ready to apply for registration as a licensed drainlayer under the Plumbers, Gasfitters, and Drainlayers Act 2006.</p> <p>This qualification provides an entry into the drainlaying industry and is intended for candidates who are training in the workplace and who can fulfil the requirements of the Plumbers, Gasfitters and Drainlayers Board Trainee Limited Certificate (TLC). Generally this is in conjunction with an apprenticeship.</p> <p>This qualification allows the New Zealand community to recognise that graduates, once registered and licensed, are able to legally carry out all drainlaying work. A licensed drainlayer can lay, alter, reconstruct, extend, repair and open up drains and associated traps and connect drains up to and away from waste water treatment stations.</p> <p>Licensed drainlayers are qualified and licensed but must be supervised by a certifying person who is ultimately responsible for ensuring the work is done competently.</p>
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<b>Graduate Profile:</b>	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>• Install, repair and maintain drainage systems in accordance with the legal requirements for a licensed drainlayer, including the following systems: Foul Water; Stormwater; Trade waste; On-site effluent disposal; On-site wastewater treatment; Excavations and reinstatement</li> <li>• Interpret drainage drawings and specifications: and produce drawings and records of as-built work, and work with understanding of subsoil, gradient and excavation considerations</li> <li>• Understand and apply the legislative responsibilities of a licensed drainlayer</li> <li>• Work with consideration of other construction trades and related services on site and practice ethically</li> <li>• Apply material science and selection, trade physics, and environmentally sustainable considerations to drainage systems</li> <li>• Apply safe working procedures and practices; identify and control hazards in a working environment; and isolate and test for safety and explain the limitations on drainlayers carrying out electrical work</li> </ul>
<b>Education Pathway:</b>	<p>This qualification may build on the National Certificate of Educational Achievement (Level 2) [Ref: 0973]. The Vocational Pathway Award in Construction and Infrastructure is also relevant but not required.</p> <p>This qualification provides one of two entry pathways into the drainlaying industry and is intended for candidates who have an apprenticeship agreement in drainlaying. It provides trainees with an opportunity to progress to being a fully credentialed tradesperson.</p> <p>The second entry pathway is the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660] that is intended for candidates who do not have an apprenticeship agreement in any of those trades.</p> <p>This qualification [Ref: 2661] can build on the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660], which is not a pre-requisite for this qualification. Some credits gained from the lower level qualification will contribute to this qualification.</p>
<b>Employment and/or Community Pathway:</b>	<p>Graduates will have met the competence requirements for a career in the drainlaying industry and may engage as licensed drainlayers once they have completed registration and other licensing requirements.</p>
<b>Content:</b>	<p>Courses in this programme comprise of learning and practical sessions to gain the knowledge, skills and experience to install, test, commission, fault-find and maintain drainlaying systems required to meet minimum competency for registration as a plumber. They include Foul Water systems, Stormwater systems, Trade Waste Systems, On-site effluent disposal systems and On-site Wastewater Treatment Systems and related trade calculations, materials and specifications, regulatory environments including health and safety requirements.</p>

**Programme Specifications:**

<b>Network(s):</b>	Construction infrastructure
<b>Practice Pathway(s):</b>	Building Services
<b>Delivery mode:</b>	Blended;
<b>Delivery methods:</b>	Classroom, lecture, tutorial, workshop, work-based, online etc.
<b>Delivery sites:</b>	Mt.Albert
<b>Assessment Methods:</b>	Formative and summative assessments using a range of approaches such as tests, presentations, practical observations, Individual and group assignments, projects etc.
<b>Assessment standards included: (if any)</b>	US18426, US17599, US28349
<b>Entry Requirements for KIS:</b>	To be admitted to this programme, applicants <ul style="list-style-type: none"> <li>• Must hold a current drainlaying certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• Must be employed in the workplace as a trainee drainlayer.</li> </ul>
<b>Entry requirements:</b>	To be admitted to this programme, applicants <ul style="list-style-type: none"> <li>• Must hold a current drainlaying certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• Must be employed in the workplace as a trainee drainlayer.</li> </ul>
<b>Student Profile:</b>	<input checked="" type="checkbox"/> Domestic Only <input type="checkbox"/> Domestic & International <input type="checkbox"/> International Only
<b>Student Destination:</b>	<input checked="" type="checkbox"/> More occupationally oriented
<b>Eligibility for student loans and allowances:</b>	Access to loans and allowances
<b>Nature of Funding sought:</b>	<input checked="" type="checkbox"/> SAC <input type="checkbox"/> Entrepreneurial <input type="checkbox"/> Contract for Service <input type="checkbox"/> Other
<b>Expected student intake:</b>	50
<b>EFTS</b>	1.175
<b>Duration of the Programme Full-time:</b>	Not available
<b>Duration of the Programme Part-time:</b>	80 weeks
<b>Maximum duration of the Programme:</b>	60 weeks
<b>Total weeks of the programme (including holiday weeks):</b>	85 weeks
<b>Total teaching weeks of the programme (excluding holiday weeks):</b>	80 weeks
<b>Total weeks of the programme per year (including holiday weeks):</b>	34 weeks

<b>Total teaching weeks of the programme per year (excluding holiday weeks):</b>	32 weeks
<b>Average Directed hours per week:</b>	4.0
<b>Average Work Experience hours per week:</b>	5.8
<b>Average Self-directed study hours per week:</b>	7.9
<b>Total study hours per week:</b>	17.7
<b>Total Study Hours for the programme:</b>	1416

#### Contact details

<b>Contacts:</b>	<p><b>Contact 1</b>  <b>Mark McNeill</b>  Dean of Construction, Infrastructure Engineering (Acting)  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  Phone: (09) 846 7369 Fax: 09 815 2907  Email: mmcneill@unitec.ac.nz</p> <p><b>Manpreet Malhotra</b>  Team Leader - Academic Service Centre  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  <b>Phone:</b> (09) 849 4321  <b>Email:</b> mmalhotra@unitec.ac.nz</p>
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**Date:** 13 Feb 2018

### 1.3 New Zealand Certificate in Gasfitting (Level 4)



## Unitec Institute of Technology Programme Factual Summary

#### Programme Details

<b>Title of programme:</b>	New Zealand Certificate in Gasfitting (Level 4)
<b>With Majors / Endorsements / Specialisations/ Pathways / Strands in (if applicable):</b>	NA
<b>Programme Abbreviation:</b>	Cert
<b>Level:</b>	4
<b>Total credits:</b>	235
<b>DAS (unit or achievement standards) credits:</b>	27 credits
<b>Unitec credits:</b>	208
<b>Programme Number:</b>	<div style="background-color: #FFC0CB; width: 40px; height: 15px; display: inline-block;"></div> <i>Allocated by NZQA at time of submission – please leave blank</i>
<b>Programme Owner:</b>	Unitec
<b>Qualification:</b>	New Zealand qualification
<b>Qualification award category:</b>	
<b>NZSCED subject classification:</b>	040327
<b>Nature of approval sought:</b>	Programme approval and accreditation Government funding
<b>Proposed Start date:</b>	23 July 2018
<b>New programme or existing programme amended:</b>	New Programme
<b>Brief Summary of changes made (if appropriate):</b>	NA

#### Qualification Details

<b>Qualification Number:</b>	2662
<b>Qualification Title:</b>	New Zealand Certificate in Gasfitting (Level 4)
<b>With Strands in (if applicable):</b>	NA
<b>Version:</b>	1
<b>Qualification Type:</b>	Certificate
<b>Level:</b>	4

<b>Credits:</b>	235
<b>Qualification developer:</b>	The Skills Organisation
<b>Next Review:</b>	December 2020
<b>Approval Date:</b>	June 2015

#### Outcome Statements:

<b>Strategic Purpose Statement:</b> <b>[Aims]</b>	<p>The purpose of this qualification is to provide the gasfitting sector with people who are suitably skilled as gasfitting tradespersons and ready to apply for registration as a licensed gasfitter under the Plumbers, Gasfitters, and Drainlayers Act 2006.</p> <p>This qualification provides an entry into the gasfitting industry and is intended for candidates who are training in the workplace and who can fulfil the requirements of the Plumbers, Gasfitters and Drainlayers Board Trainee Limited Certificate (TLC). Generally this is in conjunction with an apprenticeship.</p> <p>This qualification allows the New Zealand community to recognise that graduates, once registered and licensed, are highly skilled and authorised to safely carry out all gasfitting work, with reduced risk of fire, explosion and poisoning.</p> <p>Licensed gasfitters are qualified and licensed but must be supervised by a certifying person who is ultimately responsible for ensuring the work is done competently.</p>
<b>Graduate Profile:</b>	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>• Install, test, commission and maintain gasfitting systems in accordance with the legal requirements for a licensed gasfitter, including: <ul style="list-style-type: none"> <li>Consumer gas pipework; Gas appliances; Gas equipment; Flueing and ventilation; LPG installations for non-propulsive purposes in caravans and boats</li> </ul> </li> <li>• Interpret gasfitting drawings and specifications and produce drawings and records of as built work</li> <li>• Understand and apply the legislative responsibilities of a licensed gasfitter</li> <li>• Make, install and repair flashings and penetrations that are associated with gasfitting systems</li> <li>• Work with consideration of other construction trades and related services on site and practice ethically</li> <li>• Apply material science and selection, trade physics, and environmentally sustainable considerations for gasfitting systems</li> <li>• Apply safe working procedures and practices; identify and control hazards in a working environment; and isolate and test for safety and explain the limitations on gasfitters carrying out electrical work</li> </ul>

<b>Education Pathway:</b>	<p>This qualification may build on the National Certificate of Educational Achievement (Level 2) [Ref: 0973]. The Vocational Pathway Award in Construction and Infrastructure is also relevant but not required.</p> <p>This qualification provides one of two entry pathways into the gasfitting industry and is intended for candidates who have an apprenticeship agreement in gasfitting. It provides trainees with an opportunity to progress to being a fully credentialed tradesperson.</p> <p>The second entry pathway is the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660] that is intended for candidates who do not have an apprenticeship agreement in any of those trades.</p> <p>This qualification [Ref: 2662] can build on the New Zealand Certificate in Plumbing, Gasfitting and Drainlaying (Level 3) [Ref: 2660], which is not a pre-requisite for this qualification. Some credits gained from the lower level qualification will contribute to this qualification.</p>
<b>Employment and/or Community Pathway:</b>	Graduates will have met the competence requirements for a career in the gasfitting industry and may engage as licensed gasfitters once they have completed registration and other licensing requirements.
<b>Content:</b>	Courses in this programme comprise of learning and practical sessions to gain the knowledge, skills and experience to install, test, commission, fault-find and maintain gasfitting systems required to meet minimum competency for registration as a gasfitter. They include mechanically controlled gas appliances, electronically controlled gas appliances and commercial and industrial gas appliances and all associated pipework, control and safety devices, and trade calculations, materials and specifications; structural integrity of buildings; regulatory environments including health and safety requirements.

#### Programme Specifications:

<b>Network(s):</b>	Construction infrastructure
<b>Practice Pathway(s):</b>	Building Services
<b>Delivery mode:</b>	Blended;
<b>Delivery methods:</b>	Classroom, lecture, tutorial, workshop, work-based, online etc.
<b>Delivery sites:</b>	Mt.Albert
<b>Assessment Methods:</b>	Formative and summative assessments using a range of approaches such as tests, presentations, practical observations, Individual and group assignments, projects etc.
<b>Assessment standards included: (if any)</b>	US23229, US15757, US18426, US17599, US28348
<b>Entry Requirements for KIS:</b>	<p>To be admitted to this programme, applicants</p> <ul style="list-style-type: none"> <li>• Must hold a current gasfitting certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• Must be employed in the workplace as a trainee gasfitter.</li> </ul>
<b>Entry requirements:</b>	<p>To be admitted to this programme, applicants</p> <ul style="list-style-type: none"> <li>• Must hold a current gasfitting certificate or licence as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006, and</li> <li>• Must be employed in the workplace as a trainee gasfitter.</li> </ul>

<b>Student Profile:</b>	<input checked="" type="checkbox"/> Domestic Only <input type="checkbox"/> Domestic & International <input type="checkbox"/> International Only
<b>Student Destination:</b>	<input checked="" type="checkbox"/> More occupationally oriented
<b>Eligibility for student loans and allowances:</b>	Access to loans and allowances
<b>Nature of Funding sought:</b>	<input checked="" type="checkbox"/> SAC <input type="checkbox"/> Entrepreneurial <input type="checkbox"/> Contract for Service <input type="checkbox"/> Other
<b>Expected student intake:</b>	50
<b>EFTS</b>	1.9583
<b>Duration of the Programme Full-time:</b>	Not available
<b>Duration of the Programme Part-time:</b>	3.5 years
<b>Maximum duration of the Programme:</b>	5 years
<b>Total weeks of the programme (including holiday weeks):</b>	119 weeks
<b>Total teaching weeks of the programme (excluding holiday weeks):</b>	112 weeks
<b>Total weeks of the programme per year (including holiday weeks):</b>	34 weeks
<b>Total teaching weeks of the programme per year (excluding holiday weeks):</b>	32 weeks
<b>Average Directed hours per week:</b>	4.9
<b>Average Work Experience hours per week:</b>	7
<b>Average Self-directed study hours per week:</b>	9.1
<b>Total study hours per week:</b>	21
<b>Total Study Hours for the programme:</b>	2352

#### Contact details



<b>Contacts:</b>	<p><b>Contact 1</b>  <b>Mark McNeill</b>  Dean of Construction, Infrastructure Engineering (Acting)  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  Phone: (09) 846 7369 Fax: 09 815 2907  Email: mmcneill@unitec.ac.nz</p> <p><b>Manpreet Malhotra</b>  Team Leader - Academic Service Centre  Unitec Institute of Technology  Private Bag 92025 Victoria St West AUCKLAND  <b>Phone:</b> (09) 849 4321  <b>Email:</b> mmalhotra@unitec.ac.nz</p>
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**Date:** 13 Feb 2018