

Title	Perform measurements and calculations for residential kitchen or bathroom design projects		
Level	4	Credits	3

Purpose	<p>This unit standard is intended for those working in residential kitchen or bathroom design and planning.</p> <p>People credited with this unit standard are able to perform measurements and calculations for residential kitchen or bathroom design projects.</p>
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Classification	Design > Kitchen and Bathroom Design
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is one of a family of unit standards intended to align with the *New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications* and the *New Zealand Diploma in Design (Level 5)* with strands in Kitchen Design, and Bathroom Design (with optional strand in Light Commercial Design) [Ref: 3221].

The assessor must be confident that the candidate can apply the skills and knowledge included in this unit standard to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*.

The overarching level of performance for this family of unit standards is professional competence as a residential kitchen or bathroom designer.

Professional competence requires the candidate to be capable of consistently performing the requirements of the skill specification in the context of residential kitchen or bathroom design:

- to current regulatory, industry best practice, and commercial standards, including:
 - Health and Safety at Work (General Risk and Workplace Management) Regulations 2014, available from www.legislation.govt.nz;
 - The New Zealand Building Code, available from www.building.govt.nz;
 - Homes without barriers: A guide to accessible houses* (Wellington: BRANZ, 2001), available from www.branz.co.nz
- to the ethical and professional expectations of industry and consumers
- while working autonomously
- in dynamic and varied contexts.

Evidence for assessment must include a minimum of two kitchen or bathroom design projects for new or existing residential dwellings.

2 Reference

New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications, Waihanga Ara Rau, April 2016, available from <https://www.waihangaararau.nz/qualifications-and-programme-endorsements/programme-guidance-documents-for-providers-developing-programmes>.

Skill specification and performance level guidance

Skill specification

Perform measurements and calculations for residential kitchen or bathroom design projects.

Knowledge

Different units of measurement and how they are used.

Range length, width, height, angle.

How to calculate area and volume.

Site measurements that must be recorded for kitchen or bathroom designs.

Different measurement tools and the contexts in which they are used for kitchen or bathroom design measurements.

How to use and apply percentages and ratios to kitchen or bathroom design calculations.

Skills

Take and record accurate site measurements for kitchen or bathroom designs.

Perform calculations for kitchen or bathroom designs.

Range calculations for a variety of different shapes including – rectangular, triangular, circular.

Performance level guidance

The level of performance must reflect current industry legislation, regulations, codes, standards, and best/good practice guidelines relevant to residential kitchen or bathroom design.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	31 December 2025
Review	2	29 June 2023	N/A

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.