OTAGO POLYTECHNIC
Te Kura Matatini ki Otago

Auckland International Campus
In partnership with Future Skills Academy

# Bachelor of Construction (Quantity Surveying)

**Location**
Auckland International Campus.
This programme is also offered at our Dunedin Campus. Visit op.ac.nz for programme details.

**Level**
7

**Start**
February, April, July and October

**Duration**
Three years full-time

**Apply by**
Until start date

**Delivery**
Blended learning, including face-to-face, online, work experience and student-managed learning

**Credits**
360

APPLY

**International fee**
**$26,900 per year**

**Fee after scholarship:**
**$23,400 per year**

*Fees are approximate, subject to change and exchange rates

## Take a leading role in the construction industry with a Bachelor of Construction (Quantity Surveying).

You'll be in high demand as a construction professional and have the technical, work-ready skills to price and manage construction projects and challenge the status quo to improve processes and drive efficiencies.

The programme develops skills in budgeting and financial administration for construction projects, including whole-of-life costing. Students also gain knowledge of construction law, contracts and contractual risk analysis, along with planning and managing construction projects. Other key areas include site logistics and project management, with a focus on managing time, costs, quality and client satisfaction, as well as people management, negotiation skills, and construction business management.

This programme is offered by Future Skills Academy due to a sub-contract arrangement with Otago Polytechnic.

## Your career options

You'll have excellent career opportunities as a construction professional. You can work as a project manager, quantity surveyor, site manager, estimator, or contract administrator. Graduates of the Quantity Surveying strand can also join the New Zealand Institute of Quantity Surveying (NZIOB) and work as a consultant QS.

With experience, you may become a senior project manager, site manager or quantity surveyor, a commercial or divisional manager, or operate your own consultancy. With further study, you could specialise in the field of construction law and dispute resolution.

## Got a diploma and already working in the industry?

If you already hold a diploma in Quantity Surveying or Construction Management, you could get credit recognition toward the third year of this degree.

**Recognised diplomas**

- **Otago Polytechnic New Zealand Diploma in Construction (Quantity Surveying)**: you can get direct entry to Year 3 of the Bachelor of Construction (Quantity Surveying).
- **Diploma in Quantity Surveying from any other NZ institution**: Can apply for cross-credits, please contact our admissions team at aklregistry@op.ac.nz.

This degree is accredited by the **New Zealand Institute of Quantity Surveyors** and will make you eligible for Graduate Membership status.

## You will study

You will focus on financial feasibility studies, budgets and cost planning and graduate with the ability to price and manage construction projects.

**Courses Year 1 (Compulsory)**

**Course**

**Description**

**Level**

**Credits**

Introduction to Construction Studies

Develop knowledge and skills related to construction roles, responsibilities, documentation and communication.

5

15 credits

Material and Structural Principles

Develop knowledge and skills of structural principles and the properties of materials and finishes applicable to building projects.

5

15 credits

Law and Construction Contracts

Develop knowledge of Aotearoa New Zealand legislative and regulatory frameworks and to relate these frameworks to professional practice within a construction and consulting environment.

5

15 credits

Construction 1 Residential

Develop and apply knowledge and skills related to structures, building envelope and the interior for a small building.

5

15 credits

Services

Develop knowledge and skills relevant to the purpose, operating principles, coordination, and legislative requirements required to manage a range of services in small, medium, and large buildings.

5

15 credits

Construction 2 Commercial

Develop the knowledge and skills to select and incorporate foundation methods, structural systems, building envelope and the interior for medium and large buildings.

6

15 credits

Environment

Develop knowledge and skills to evaluate site and building limitations including environmental impacts and sustainable methods of construction.

5

15 credits

Introduction to Measurement and Estimation

Develop the knowledge and skills to measure and estimate costs for inclusion in tenders for small building projects.

5

15 credits

**Courses Year 2 (Compulsory)**

**Course**

**Description**

**Level**

**Credits**

Measurement 1

Develop the knowledge and skills to assemble quantity surveying documentation and measure schedules of quantities for a small building project.

5

15 credits

Estimation

Develop the knowledge and skills to estimate costs for inclusion in tenders for medium and large building projects.

5

15 credits

Programming

Develop the knowledge and skills to effectively programme and monitor activities, resources and contingencies for a medium building.

6

15 credits

Measurement 2

Develop the knowledge and skills to assemble and measure schedules of quantities from project information for medium and large buildings.

6

15 credits

Financial Administration

Develop the knowledge and skills to analyse and conduct a valuation and prepare account statements for work carried out on a construction site.

6

15 credits

Procurement

Develop knowledge and skills relevant to a range of procedures, types of contracts, methodologies and processes for the procurement of building projects.

6

15 credits

Cost Planning

Develop the knowledge and skills to analyse and prepare preliminary estimates, elemental cost plans and preliminary cashflow statements for medium and large building projects.

6

15 credits

Regional Project Quantity Surveying

Develop the knowledge and skills to act as quantity surveyors by studying selected aspects of regional construction practice, emerging construction technologies and professional practice.

6

15 credits

**Courses Year 3 (Compulsory)**

**Course**

**Description**

**Level**

**Credits**

People Management

Enable learners to develop people management strategies relevant to the construction industry.

6

15 credits

Project Risk Management

Develop quality assurance procedures and develop risk management and site safety planning documentation for a medium size construction project.

6

15 credits

Property Investment and Development

Learn to critically evaluate a property development opportunity.

7

15 credits

Construction Business Management

Develop basic risk-reduction strategies for a small to medium sized construction enterprise (SME).

6

15 credits

Value Management and BIM

Critically reflect on the use of building information modelling (BIM) for evaluating building design.

7

15 credits

Claims Management

Interpret and draft basic construction contracts.

7

15 credits

Research Project

Conduct a research project in a construction industry context.

7

30 credits

## Entry requirements

**For those under 20**

- NCEA Level 3 including:
  - 14 credits at **Level 3 or above** in each of three NZQA approved university entrance subjects, **and**
  - 10 literacy credits at **Level 2 or above**, made up of:
    - 5 credits in reading, and
    - 5 credits in writing, **and**
  - 12 numeracy credits at **Level 2 or above**, made up of:
    - specified achievement standards available through a range of subjects **OR**
    - package of three numeracy unit standards (26623, 26626, 26627- **all** three required).

**COVID-19 adjustments to NCEA requirements**

- If you completed your NCEA Level 3 during 2020, you only need 12 credits per Level 3 subject (i.e. a total of 36 credits).
- If you completed your NCEA Level 3 during 2021, please visit **this page on the NZQA website**. There are different adjustments depending upon which part of New Zealand you studied in.

**For those over 20**

- You must supply evidence of industry experience and/or alternative relevant qualifications.
- Provisional entry is possible.

**If English is not your first language, you must provide**:

- New Zealand University Entrance **OR**
- Overall Academic IELTS 6.0 with no individual band score lower than 5.5 (achieved in **one** test completed in the last two years), **OR**
- Acceptable alternative evidence of the required IELTS (**see here for NZQA proficiency table**and **here for list of recognised proficiency tests**).

**International students**

Will be individually assessed to ensure they meet degree-level entry requirements. Click here for equivalent academic entry requirements by country.

## Further study options

Upon successful completion of this programme, you will be able to gain entry into relevant postgraduate qualifications. Possible programmes include the Graduate Diploma in Construction Project Management (at Unitec) or the Postgraduate Diploma in Construction - Building Technology, Construction Law, Construction Project Management, Facilities Management, Quantity Surveying (at Massey).

## Your workload

You will be expected to spend about 300 hours per Study Block on your course work. This includes both scheduled class time and self-directed study.

## Cancellation of a programme

Any programme of study, course or course occurrence may be cancelled or postponed where there are insufficient numbers. As far as is practically possible, we avoid cancelling or making other significant changes less than two weeks before the programme starts (or five working days for short courses). If this happens, we will do our best to suggest alternative study options for you. If you don't want to do the alternative programme, we will give you a full refund. For international students, if a programme change affects your visa status, we will let you know and support you to find an alternative option. We also advise Immigration New Zealand of any programme change that will affect international students.