

## Auckland and New Zealand

The largest city in New Zealand, Auckland is famous for its beautiful location, relaxed and easy going lifestyle, and great facilities. It is also vibrant, exciting, and multicultural - with sizeable communities of people from many different countries, and is frequently listed as one of the most liveable cities in the world.

Sitting astride an isthmus, it has harbours which open to both the Tasman Sea and the Pacific Ocean, many beaches in and around the city, and easy access to the islands and stunning landscapes of the surrounding area. It is celebrated for water sports (its nickname is the "City of Sails") and outdoor activities in general.

New Zealand's relatively small size means that it is easy to get out and explore the huge variety of geographies and scenery that make it one of the most interesting countries to visit. Adventure activities of all types (e.g. hiking, skiing, fishing, boating) are a speciality and are very accessible.



*Auckland City, one of the most liveable cities in the world.*

## The University of Auckland

The University of Auckland is New Zealand's leading and largest university. It is ranked in the top 100 of the QS World University Rankings and is the highest ranked New Zealand University in the Times Higher Education and Shanghai Jiao Tong Academic Ranking of World Universities. The University of Auckland is also an international centre of learning and academic excellence placed in the within at 1% of the world's best universities. It is New Zealand's pre-eminent research-led institution and has key linkages with many of the world's top research intensive universities.

The University of Auckland has the most comprehensive range of courses in the country. The University's mission is to be a research-led, international university, recognised for excellence in teaching, learning, research, creative work and administration.



*Clock Tower, The University of Auckland.*

### Apply now!

Please go to [www.auckland.ac.nz/applynow](http://www.auckland.ac.nz/applynow)

### Where to find further information?

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Master of Engineering Studies

## Construction Management



# Introduction

The construction and engineering industry is highly dynamic, complex and unpredictable. It involves the delivery of public and private projects that try to satisfy a wide number of requirements (from economic to environmental) from different stakeholders. Given the high levels of investment involved and the flow on effect to “supplier” industries, it is a key engine of local economies and the most important generator of employment.

Paradoxically, it is inherently difficult to achieve efficiency in this industry!

Industry is therefore demanding radical change through new sets of skills, knowledge and capabilities in order to dramatically improve performance and competitiveness.

Interested in helping drive this change – here is your opportunity!

## Why this programme?

The Master of Engineering Studies in Construction Management is a highly specialised degree designed to provide the necessary theoretical and practical management skills needed by construction and engineering professionals in order to excel at today’s challenging and complex projects.

The programme’s courses offer a well-balanced mix between the recent advances in theory and technology provided by leading edge research and the sort of practical experience that a professional manager requires to meet the sector’s daily challenges.

New Zealand’s particular geographical location, together with its relatively strong and stable construction market, provides an excellent environment in to practice tried and true techniques and experiment with new ideas.

Additionally, the University’s teaching on the topic is truly world class.

## Where will it take you?

This programme offers the opportunity to acquire advanced skills and knowledge which are required globally.

Graduates are currently involved in a wide range of construction and engineering projects – ranging from the feasibility and planning stages through to procurement, construction and use, in both public and private institutions.

Some of our recent graduates are now working as:

- General manager of an international construction management company
- Project manager for a large utility company
- Design engineer for an international consulting firm
- Construction manager for a leading contracting firm
- Project manager for an international engineering firm.

## Who should take this programme?

Anybody with a suitable undergraduate degree in Engineering, Construction or Architecture (or other construction discipline) who wishes to learn highly relevant and applicable skills in this exciting and growing industry.

## Outline

The programme is made up of eight courses and projects - three core courses and five elective courses and projects.

The core courses cover the topics of:

- Project Management
- Advanced topics in Project Management
- Construction Management

The range of electives include:

- Cost Engineering,
- Engineering Risk Management
- Work Based Learning
- Engineering Administration
- Engineering Construction Logistics
- Road Asset Management
- Discrete Event Simulation
- A project (research or industry based)
- Engineering Decision Making
- Other technical papers within engineering
- Certain Business School papers

For more details about these electives, please visit the programme website.

## Duration

The Master of Engineering Studies in Construction Management is run over one year full time, or part-time over 2-4 years. A portion of the students on our programme are working part-time, sponsored by employers.

## Teaching

The programme is taught by lecturers from the Department of Civil and Environmental Engineering, the Department of Engineering Science and the Business School. Additionally there are guest lecturers from the New Zealand construction and engineering industry.

## Industry and academic partners

The Master of Engineering Studies in Construction Management runs with the full support of leading construction and project management companies in New Zealand. The Department of Civil and Environmental Engineering at The University of Auckland has strong links to industry and is the pre-eminent provider of construction education in New Zealand. All our programmes are designed and developed in co-operation with leading construction companies. This ensures graduates obtain the precise skills and expertise employers want. The Fletcher Construction Company Ltd is main sponsor of our programme.



The Master of Engineering Studies in Construction Management is also supported by an Industrial Advisory Committee which involves leading construction and engineering companies such as Fletcher Construction, McConnell Dowell, Opus, Beca and SKM.

