

Master of Engineering Studies (MEngSt) Fire Engineering College of Engineering



**THE
WORLD'S
BEST
CHOICE**

Key facts about the programme

- 1** Fully taught masters qualification
- 2** Develop your knowledge with advanced technical training
- 3** The only Fire Engineering programme in New Zealand
- 4** Specialised fire laboratory facilities and computer modelling tools



What does this programme cover?

Fire Engineering is an evolving industry in New Zealand since the 1991 introduction of the Building Act which permits building fire safety to be assessed by engineering methods. The New Zealand “performance-based code” is one of the most progressive in the world.

Fire Engineering includes understanding the behaviour of fires and smoke, the behaviour of people exposed to fires and the performance of burning buildings, as well as the impact of fire protection systems including detection, alarm, suppression and smoke management systems.

Master of Engineering Studies (Fire Engineering) consists of the following topics:

1. Fire Engineering
2. Structural Fire Engineering
3. Fire Dynamics
4. Fire Safety Systems
5. Fire Design Case Study
6. Advanced Fire Dynamics
7. Human Behaviour in Fire
8. Risk Management

What are the entry requirements?

- 4 Year BE(Hons) First or Second Class or
- BSc(Hons) in appropriate subjects

English	Overall	Lowest Band
IELTS	6.5	6.0
TOEFL	90	19 writing
Pearson	58	50 communicative skills

Special entry conditions

- Candidates with relevant science degrees or other qualifications will also be considered but may need to complete additional studies before starting a degree.
- It is common for students to start their studies in the Postgraduate Certificate in Fire Engineering (PGCert Fire) and then transfer to a Masters at a later stage. Students who have had no prior formal fire engineering education typically begin with ENGR 403 Fire Engineering as part of the PGCert. Relevant courses completed as part of the PGCert can be transferred to MEngSt(Fire).

AT A GLANCE

Start Dates

February

Months to Complete

MEngSt12 Months

Features

Project..... Yes (optional)

Internship option No

Tuition Fees*

MEngSt\$44,000

Scholarships

For more information on scholarships go to www.canterbury.ac.nz/get-started/scholarships/

*The price (tuition fee) is indicative for 2020.



Student Profile

"Fire Engineering is in high demand and is quite a small field professionally,' he says. 'I get to work on a huge array of projects all over the world, ranging from aircraft hangars to skyscrapers, massive transport interchanges to heritage buildings. The sheer range and overall significance of the projects I have worked on in my first few years out of university is something engineers in other fields may not experience for over a decade of consulting engineering."

"There is a mix of people from all over the world and the teaching environment is more relaxed. It felt much less like study and more like work."

"Postgraduate qualifications are fast becoming a prerequisite for working internationally so it is a great idea to think about the potential options early. In any case, if you have a subject you are passionate about, higher education is never a waste of time. The most important skill I developed while studying was the ability to think critically. The skills you learn at university, especially with an engineering degree, will better equip you for any future career path."

James O'Neill

Master of Engineering in Fire Engineering

What careers can this lead to?

Graduates of a Master of Engineering Studies endorsed in Fire Engineering go on to work as Fire Engineering consultants; Fire safety regulators; Insurance assessors; Fire and Rescue services or Fire investigators.

Starting Salary:
\$65,000

Average Salary:
\$90,000

Enrolment information

How to apply

Apply online through myUC:
<https://myuc.canterbury.ac.nz>

Who to contact

Contact the Departmental Administrators at
postgrad-enquiries@civil.canterbury.ac.nz
engpgdegreeadvise@canterbury.ac.nz

For more information visit:

www.canterbury.ac.nz/postgraduate/subjects/fire-engineering/

Important information

Refer to our website for more information on:

- The University of Canterbury
- Christchurch as a study destination
- Student visa and insurance

www.canterbury.ac.nz/international

AT A GLANCE

Why New Zealand?

- Within Top 7 in the world for Overall Prosperity, Natural Environment, and Social Capital
- Within Top 13 in the world for Education, Personal Freedom, and Safety & Security

Why Christchurch?

- Largest city in the South Island
- Ranked 65th in the world for Best Student Cities
- Lowest unemployment rate in Australasia
- Strong Economy

Why the University of Canterbury

- QS Ranked 227
- 26 Subjects ranked in the top 250
- Residential campus
- 3000+ Employer connections
- 35 Research Centres

This information was correct at May 2020.

Source: www.prosperity.com/globe/new-zealand