MASTER OF ENGINEERING
CIVIL AND FIRE SAFETY ENGINEERING

The School of Civil Engineering provides a ME program in Civil Engineering and Fire Safety Engineering. Fire Safety influences various aspect of the built environment – from the design of modern skyscrapers, to the materials chosen to fabricate aeroplanes.

The **2-year (32 units) full-time** program combines Civil Engineering with additional courses in Fire Safety Engineering. This program equips Civil Engineering students with the necessary fundamental skills and knowledge to develop comprehensive Fire Safety Strategies for a broad range of projects.

The areas of study include the fundamental processes governing ignition, fire growth, and the response of structures to fire. The course programme develops the design principles required for applying Fire Safety Engineering in the built environment.

The degree provides six courses in Fire Safety Science and Engineering.

The compulsory **Fire Courses** are:

Semester 1

Introduction to Fire Safety Engineering (FIRE3700)

Fire Engineering Design: Solutions for Implicit Safety (FIRE4610)

Semester 2

Fire Dynamics (FIRE7620)

Semester 3

Fire Dynamics Laboratory (FIRE7640)

Structural Fire Engineering (FIRE7660)

Semester 4

Fire Engineering Design: Explicit Quantification of Safety (FIRE7680)

In addition, to obtain the ME, students will be required to take an 8-unit Research Thesis in the area of Fire Safety Engineering (FIRE7500).

For more information about the ME or any of the courses in fire safety, please contact Dr Cristian Maluk, Dr Juan Hidalgo, or Prof Jose L Torero.

More information at:

www.civil.uq.edu.au/fire

firelabuq.wordpress.com/