



BACHELOR (HONOURS) AND MASTER OF ENGINEERING CIVIL AND FIRE SAFETY ENGINEERING

The School of Civil Engineering provides a [BE-ME program in Civil Engineering and Fire Safety Engineering](#). Fire Safety influences various aspects of the built environment – from the design of modern skyscrapers, to the materials chosen to fabricate aeroplanes.

The **5-year (80 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 combined degree provides one course in year 3, two courses in year 4, and three courses in year 5.



The available **Fire Courses** are:

Year 3

Introduction to Fire Safety Engineering ([FIRE3700](#))

Year 4

Fire Engineering Design: Solutions for Implicit Safety ([FIRE4610](#))

Fire Dynamics ([FIRE7620](#))

Year 5

Fire Dynamics Laboratory ([FIRE7640](#))

Structural Fire Engineering ([FIRE7660](#))

Fire Engineering Design: Explicit Quantification of Safety ([FIRE7680](#))

In addition, to obtain the BE-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 BE-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/