



fire safety engineering

Professional Fire Safety with UWS

The Master of Fire Safety Engineering provides the skills to assess, evaluate and recommend fire safety solutions. With the growing need to understand fire safety engineering principles, this course is relevant to professionals developing alternative solutions using the Building Code of Australia and the Fire Engineering Guidelines.

The UWS Fire Safety Engineering courses are among only a few available in Australia. With 13 years of history, the courses are well recognised by the building industry nationally and internationally.

Students will understand building regulations, fire dynamics, building response to fires, human behaviour and risk assessment, as well as developing knowledge of the practical design process adopted by the industry.

In the Graduate Diploma in Fire Safety Engineering, students gain an understanding of fire engineering principles and fire safety design. This relates to professionals assessing alternative fire safety solutions, where the performance-based Building Code of Australia and the Fire Engineering Guidelines have been used.

COURSE SUMMARY

| UAC CODE AUTUMN | COURSE NAME | STUDY MODE | CAMPUS |
|--------------------|---|---------------|----------|
| 952360 | Master of Fire Safety Engineering | 2P | Distance |
| 952364 | Graduate Diploma in Fire Safety Engineering | 1.5P | Distance |
| 952369 | Graduate Certificate in Fire Safety Engineering | 1P | Distance |

**UNDERSTAND
VITAL FIRE SAFETY
ENGINEERING
PRINCIPLES IN THE
BUILT AND NATURAL
ENVIRONMENT.**

The Graduate Certificate in Fire Safety Engineering is designed for professionals wishing to become familiar with the concept

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**POSTGRADUATE
FIRE SAFETY ENGINEERING**

Study a course that is highly valued and well regarded internationally.

postgraduatestudy@uws.edu.au

of fire safety solutions where the performance-based Building Code of Australia and the Fire Engineering Guidelines have been used.

Career opportunities

Graduates will have the opportunity to become accredited fire safety engineers or to pursue careers as fire safety project managers or fire safety inspectors.

Trained fire safety engineering graduates are in high demand in the building industry. You may be exposed to further employment opportunities while enrolled in the course.



Chris Jamieson
Senior Fire Safety Engineer
Defire

A recognised qualification for a career in a new and rapidly evolving branch of engineering really appealed to Chris Jamieson.

'The Master of Fire Safety Engineering degree at UWS is one of only two such postgraduate qualifications available in Australia and is well recognised within the industry. A postgraduate qualification is essential for practising fire safety engineers in Australia,' he says.

'The course brings together building industry professions from a wide variety of backgrounds including engineers, regulatory authorities and fire services. The structure of the course, which often includes group projects and discussions, promotes knowledge sharing and the development of professional relationships.

'The Master of Fire Safety Engineering equips students with the unique and diverse skill set required to practise fire safety engineering, or to evaluate fire engineering assessments. This includes fire dynamics, fundamental human behaviour and evacuation, regulatory requirements and fire safety system design.'

STUDY SEQUENCE – PART-TIME

| Fire Safety Engineering | Masters | Graduate Diploma | Graduate Certificate |
|--|---------|------------------|----------------------|
| SESSION 1 | | | |
| Fire and Building Regulations | • | • | • |
| Fire Engineering 1 (Fire Dynamics) | • | • | • |
| SESSION 2 | | | |
| Egress and Risk Assessment | • | • | • |
| Building Fire Services | • | • | • |
| SESSION 3 | | | |
| Fire Engineering 2 (Fire Models) | • | • | |
| Fire Engineering Design and Assessment | • | • | |
| SESSION 4 | | | |
| Built Environment Research Project | • | | |

Recommended study sequence

Master of Fire Safety Engineering

Qualification of this award requires the successful completion of 80 credit points.

Graduate Diploma in Fire Safety Engineering

Qualification of this award requires the successful completion of 60 credit points.

Graduate Certificate in Fire Safety Engineering

Qualification of this award requires the successful completion of 40 credit points.

Entry requirements

Master of Fire Safety Engineering

An undergraduate degree in engineering, building, building surveying, architecture or science.

Graduate Diploma in Fire Safety Engineering

Applicants must have an undergraduate degree in engineering, building, building surveying, architecture or science

OR

an AQF Diploma in engineering, building, building surveying, architecture or science

PLUS

4 years professional work experience in engineering, the building industry, architecture or local government.

Graduate Certificate in Fire Safety Engineering

Applicants must have an undergraduate degree in engineering, building, building surveying, architecture or science

OR

an AQF Diploma in engineering, building, building surveying, architecture or science

PLUS

2 years professional work experience in engineering, the building industry, architecture or local government

OR

full corporate membership of the Institute of Fire Engineers

PLUS

at least 5 years professional work experience in engineering, the building industry, architecture or local government.

English proficiency requirements

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre (UAC) website at www.uac.edu.au

Recognition of prior learning

Special equivalence may be granted to candidates on the basis of evidence they submit at the time of application for academic, professional and/or any other qualifications they hold.

Pathways

In the Master of Fire Safety Engineering course you may opt to graduate with a Graduate Diploma in Fire Safety Engineering after completing 60 credit points, or the Graduate Certificate in Fire Safety Engineering after the completion of 40 credit points.

How to apply

Postgraduate course applications are processed online through the Universities Admissions Centre (UAC) at www.uac.edu.au/postgraduate

Further information on postgraduate courses and the application procedure is available at myfuture.uws.edu.au

For international students

As these courses are part-time they are not available to international students due to Australian student visa regulations.



Sue Scott
Fire Services Consultant
Eagle Consulting Group

Sue Scott believes the support of UWS teaching staff was critical to her success in postgraduate studies.

'As a working mother of two small children, I had a little trepidation prior to commencing the course, being unsure if I would be able to cope with the additional workload and juggle work, university and family commitments,' she says.

'I found the teaching staff to be very helpful and cooperative both during my initial enquiries at UWS and subsequently throughout my coursework, for which I am extremely grateful. Without such assistance and support, successful completion of any degree would be considerably more demanding.

'I have been employed in the Fire Protection industry for over 20 years, commencing my career as an Apprentice Electrician. Recently, I have been looking to gain a recognised qualification to identify and highlight the experience I have gained thus far in this industry.

'During this time in the industry, I have been exposed to a number of Australian Standards and various legislative requirements to provide fire protection equipment to the degree stipulated in these documents.

'It has been interesting to apply the principles learnt during my studies to understand the background as to why particular requirements have been formulated.

'I have found the course to be highly relevant to my employment and I have been able to apply a number of the Fire Engineering principles into practice in my current employment. Also, UWS was willing to recognise my prior work experience to accept my enrolment into this postgraduate course.'

2012 postgraduate study

Further information

Contact the Course Information
Centre on 1300 897 669 or email
postgraduatestudy@uws.edu.au

International students
call +612 9852 5499 or email
internationalstudy@uws.edu.au

The University of Western Sydney reserves the right at all times to withdraw or vary courses listed within this publication. In the event that the course is to be changed, or in the event that the course is to be withdrawn, applicants will be advised by mail to the address specified by them on their application.

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