Overview

This program provides professional development in mine ventilation and mine environment monitoring for mining engineers and other mining personnel. It is delivered in a distant, flexible format. The Diploma is structured to meet the needs of both the metalliferous and coal mining sectors. The accredited programs offered by UNSW for the appointment of Statutory Coal Mine Ventilation Officers in both NSW and Qld can be taken as options in the Diploma. The course contents have been developed from standard texts, industry guidelines and case studies. These are delivered from both a theoretical and operational perspective with the aim that course contents will be immediately relevant to industry. As this is a professional development course, it is essential that the student has access to a mine site with the support of industry. It is preferable that the student is working at a mine site. Assessments are geared to practical evaluation of mine ventilation systems.
**Faculty**
Faculty of Engineering

**Campus**
Kensington

**Study Level**
Postgraduate

**Typical duration**
1 Years

**Delivery Mode**
Face-to-face, Fully online

**Intake Period**
Term 1

**Academic Calendar**
3+ Calendar

**Minimum Units of Credit**
48

**Award type**
Graduate Diploma

**Award(s)**
Graduate Diploma in Mine Ventilation -
GradDipMineVent
Learning Outcomes

1. Demonstrate an understanding of international perspectives relevant to Mine Ventilation.

2. Communicate complex ideas in a variety of formats to diverse audiences.

3. Demonstrate an understanding of the disciplinary body of knowledge, including established theories and recent developments relevant to Mine Ventilation.

4. Analyse problems or issues, articulate appropriate accurate and safe solutions and justify propositions and/or professional decisions.

5. Apply disciplinary principles and practices to new or complex environments.

6. Critically evaluate contemporary debates and literatures in Mine Ventilation.

7. Demonstrate a level of personal autonomy and accountability in the acquisition or application of knowledge or skills.

8. Demonstrate an understanding of, and the ability to apply, the principles of teamwork and collaboration.

9. Investigate, generate and synthesise ideas and concepts at an abstract and/or applied level.

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Program Structure

Students must complete 48 UOC as a standalone program.

Advanced Disciplinary Knowledge Core Courses

Students must take 36 UOC of the following courses.

- **MNNG9903**  |  6 UOC  
  Heat in Underground Mines

- **MNNG9904**  |  6 UOC  
  Ventilation System Management

- **MNNG9905**  |  6 UOC  
  Coal Mine Hazards and Control

- **MNNG9920**  |  6 UOC  
  Spontaneous Combustion and Reactive Ground

- **MNNG9921**  |  6 UOC  
  Mine Ventilation Legislation

- **MNNG9922**  |  6 UOC  
  Mine Ventilation Practices

Disciplinary Knowledge Core Courses

Students must take 12 UOC of the following courses.

- **MNNG9901**  |  6 UOC  
  Ventilation and Mine Services

- **MNNG9902**  |  6 UOC  
  Environmental Contaminants

Professional Development
The following 4 courses are offered for Ventilation Officers professional development.
- MNNG9901 Ventilation and Mine Services (6 UOC)
- MNNG9904 Ventilation System Management (6 UOC)
- MNNG9921 Mine Ventilation Legislation (6 UOC)
- MNNG9922 Mine Ventilation Practices (6 UOC)

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Admission Requirements

Entry Requirements

Relevant industry experience or access to an underground mine is essential for entry to the Graduate Diploma in Mine Ventilation. International students who qualify for entry and have access to an underground mine are accepted.

Entry is considered for each individual based on portfolio supporting the application, including details of relevant industry experience. An entry interview may be required.

In addition to access to an underground mine, and relevant experience, the following entry requirements apply to this program:

1) A minimum of 3 years mining experience in a responsible position AND a Deputy’s certificate, Undermanager’s certificate or Mine Manager’s certificate, or Mine Surveyor's certificate.

Or

2) A 3 or 4 year degree in Mining Engineering with a minimum 65% average in the last 2 years of the degree AND at least 1 year experience in underground in coal or metal mining.

Or

3) A 3 or 4 year degree in Civil Engineering, Chemical Engineering, Electrical Engineering or Mechanical Engineering (with a minimum 65% average in the last 2 years of the degree) AND at least 2 year experience in underground in coal or metal mining.

Or

4) students who can demonstrate equivalent prior learning may be approved an alternative entry pathway by written permission of the Program Authority.

For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Program Requirements

Recognition of Prior Learning

No RPL is currently permitted except for the Statutory Ventilation Officers (VO) professional development. These students are given RPL for 50% of the Graduate Diploma in Mine Ventilation.

Note that the Statutory Ventilation Officer’s course is currently run as Professional Development course.

Progression Requirements

Progression rules are in accordance with university policy.

For more information on university policy on progression requirements please visit Academic Progression.
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

Domestic Students
Commonwealth Supported Students
International Students
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179