

# DIPLOMA OF AIR-CONDITIONING AND REFRIGERATION ENGINEERING



COURSE CODE:  
**UEE51211**

## WHY CHOOSE TAFE NSW?



**Opens career doors.** Our industry relationships lead many students directly into work with a range of employers including agencies, studios, galleries and fashion houses.



**Global prospects.** TAFE NSW graduates possess the technical knowledge, creative-thinking and specialised skills that are highly sought after by employers around the world.



**State-of-the-art facilities.** Purpose-built creative studios and industry standard software mean you will master the same tools of the trade as leading professionals.



**Industry exposure.** TAFE NSW partners with industry to provide you with hands-on experience through networking, sponsor programs, competitions, talks, lectures and other creative industry events.



**Recognised and respected.** TAFE NSW has built its reputation on delivering trusted, industry aligned and nationally recognised training for over 130 years.

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**TAFENSW.EDU.AU**  
**131 601**

**BE AMBITIOUS**

**COURSE CODE**

UEE51211

**QUALIFICATION**

Diploma of Air-conditioning and Refrigeration Engineering

**CAREER AREA**

Electro Technology

**TRAINING PACKAGE ENTRY REQUIREMENTS:****ENTRY REQUIREMENTS**

To be eligible for this course, you need to demonstrate the following:

- That you have achieved the Certificate III in Air-Conditioning and Refrigeration or an equivalent qualification as evidenced by a copy of your transcript or certificate
- That you are employed in the industry as evidenced by a letter of support from your employer

**COURSE SUCCESS REQUIREMENTS**

During your study, you will need to meet specific requirements to complete your coursework.

Your teacher will let you know when you need to provide evidence of:

- Your RAC01-Refrigerant Handling License

A Refrigerant Handling Licence must be held by any person who carries out work in relation to refrigeration and air conditioning (RAC) equipment. Visit the [Arctick](#) (Australian Refrigeration Council) website for more information.

The NSW RAC Occupational Licence meets NSW regulatory requirements NSW for individuals undertaking work related to refrigeration and air-conditioning. Visit [NSW Fair Trading](#) for more information.

The Restricted Electrical Occupation Licence - with the core Restricted Electrical units - meets NSW electrical regulatory requirements for related restricted electrical work. Visit [NSW Fair Trading](#) for more information.

**IS THIS COURSE RIGHT FOR YOU?**

To be prepared for this course, we recommend that you have:

- Effective communication
- Literacy and numeracy skills at a Year 12 level
- The ability to use advanced tools and instruments

If you need help preparing for study, contact us about your options.

**CAREER  
OPPORTUNITIES**

**Air-conditioning and  
refrigeration  
engineering  
technician.**

**OVERVIEW**

The nationally recognised Diploma of Air-conditioning and Refrigeration Engineering prepares you to work with commercial food storage, preservation and air-conditioning and air-distribution equipment. Learn to design and deploy commercial industrial refrigeration systems and design control systems for HVAC&R.

## LEARN NEW SKILLS

Through theory and practical course work learn to:

- Develop and commission HVAC&R systems
- Maintain and diagnose faults and malfunctions of refrigeration systems and equipment used for commercial food storage and preservation, air conditioning, and air distribution equipment
- Understand regulatory requirements for purchasing and handling refrigerants
- Manage work, health, and safety requirements
- Use and produce drawings, diagrams, schedules, standards, codes and specifications
- Develop your project management skills

## DEVELOP YOUR TALENT

Develop the attributes to get ahead in this industry:

- Problem solving
- Critical thinking
- Attention to detail

## ACHIEVE YOUR GOALS

Completing this course will provide you with:

- A national accredited qualification at Diploma level
- Skills and knowledge to start your own business

### Career opportunities:

- Project manager
- Field engineer
- Paraprofessional in the heating, ventilation and air-conditioning and refrigeration (HVAC&R) trades

## GROW YOUR CAREER

The Diploma of Air-Conditioning and Refrigeration Engineering is the highest TAFE NSW air-conditioning and refrigeration qualification available. If you want to keep learning, you can develop your skill set and be whatever you want to be with a TAFE NSW [short course](#).

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