



OVER 40

**ELECTROTECHNOLOGY**

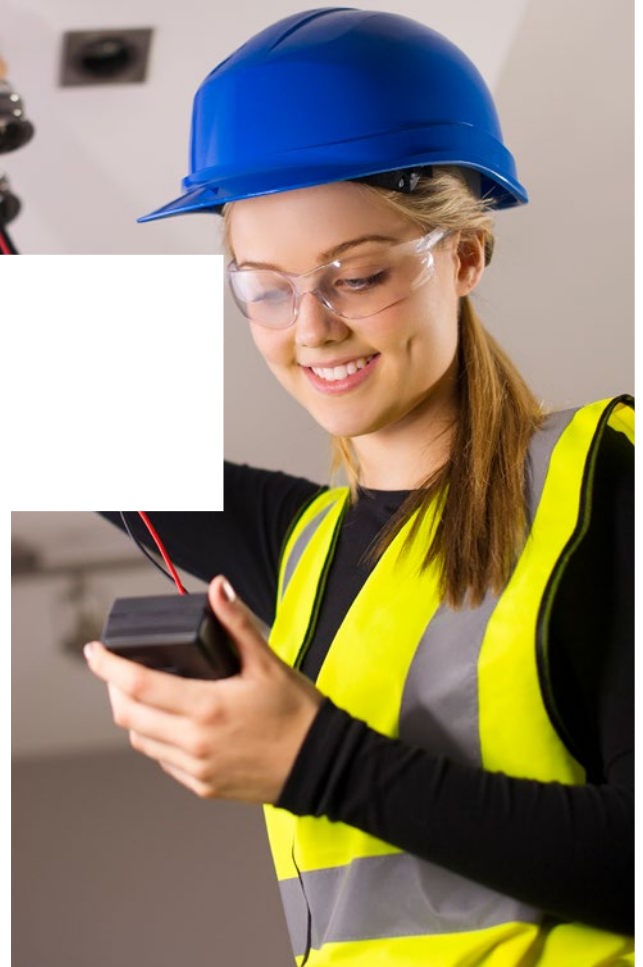
COURSES



BE EMPLOYED IN  
ELECTROTECHNOLOGY

**BE AMBITIOUS**

**TAFE**<sup>NSW</sup>



**Electrotechnology and telecommunications is a multibillion dollar industry in Australia that impacts almost every aspect of daily life. The digital age is creating an unprecedented demand for electricians specialising in telecommunications, instrumentation, security and electronic control systems and information technology. Studying electrotechnology at TAFE NSW gives you access to a range of industry courses that provide all the practical and theoretical knowledge you'll need to really excel.**

Thousands of people enrol in electrotechnology courses with TAFE NSW each year because they know employers trust our training and employ our graduates. We offer nationally-recognised courses for every stage of your career, whether you're just starting out or you're an industry veteran. We're passionate about quality, hands-on training and want to help you reach your career ambitions.

# WHY STUDY

# ELECTROTECHNOLOGY

# AT TAFE NSW?

**"It was sometimes a real juggle with study as I was working two jobs during my apprenticeship. I had to be pretty dedicated and put in a lot of hard work. In the end, I was pretty happy with achieving a distinction in my course. Since finishing my studies, I have established my own electrical company. I've got future plans to study project management and take on an apprentice of my own"**

LUKE RADFORD, CERTIFICATE III IN ELECTROTECHNOLOGY

- ✓ Get a job before you graduate: many of our work placements lead students to full-time employment
- ✓ Outstanding reputation: TAFE NSW has a long history of delivering quality, nationally-accredited, practical and theoretical qualifications in Electrotechnology
- ✓ Expert teachers: our courses are designed by industry and taught by industry experts. When you study with us you are choosing the most trusted trade training provider in Australia
- ✓ State-of-the-art facilities: our facilities are designed to train you in simulated real-world, all-weather settings

## JOB OPPORTUNITIES

Industry Revenue will reach over

# 2.5 BILLION

over the next 5 years

Source: IBIS World

## EARNING POTENTIALS

Average weekly salary for Electricians is

# \$1,400

Source: Job outlook

## Career Opportunities

- Electrician (Licenced)
- Instrumentation and Control Technician
- Electronics and Communications Technician
- Electrical Fitter
- Machine Repair Tradesperson
- Switchgear and Control Gear Tradesperson
- Air Conditioning System Installer
- Security System Installer

# ELECTROTECHNOLOGY COURSES AVAILABLE AT TAFE NSW



**FOR A CAREER AS A LICENSED ELECTRICIAN,  
ELECTRICAL ENGINEER, ELECTRICAL  
DRAFTER, TECHNICAL OFFICERS**

UEE62211

## **Advanced Diploma of Electrical - Engineering**

This course is for those working as engineering technologists in an electrical engineering environment. This course meets the national Electrical Regulatory Authorities Council (ERAC) requirements for an unrestricted Electrician's License. Learners meeting these requirements within this course will be eligible to apply for a Certificate III in Electrotechnology - Electrician qualification upon completion of the necessary core, prerequisite and elective units.

UEE50411

## **Diploma of Electrical Engineering**

Study this nationally-recognised Diploma of Electrical Engineering to get the in-depth knowledge you need to pursue a career as an electrician. This engineering course offers detailed units including: complex electronic circuits controlling fluids; developing electrical integrated systems; connecting electrical coils; and planning the electrical installation of integrated systems.

UEE50511

## **Diploma of Electronics and Communications Engineering**

The Diploma of Electronics and Communications Engineering will provide you with the skills you need to be successful at a senior level in this industry. You can select from a variety of in-depth units including: assembling electrical components; sustaining an innovative work environment; finding and repairing navigation systems; and radar apparatus and remote control apparatus. Potential job roles once completed include being a Technical Officer for electronics and communications engineering.

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### FOR A CAREER AS AN ELECTRICIAN, ELECTRONICS TECHNICIAN, ELECTROTECHNOLOGY ELECTRICIAN

UEE40911

#### **Certificate IV in Industrial Electronics and Control**

The Certificate IV in Industrial Electronics and Control has a great selection of units to choose from, including: arranging circuits; control and protection for general electrical installations; setting up basic security systems; developing detailed electrical drawings; and creating structured programs to control external devices. Completion of this qualification, with appropriate elective units, can provide credit towards a Diploma of Industrial Electronics and Control Engineering.

UEE30811

#### **Certificate III in Electrotechnology Electrician**

This electrician course will teach you fundamentals including: connecting electrical control circuits; wiring systems and cables for low voltage general electrical installations; and solving problems in electromagnetic devices and related circuits. This is the ideal pathway to being a general electrician or an electrical tradesperson.

### TO BECOME AN APPRENTICE OR THOSE JUST STARTING OUT

UEE22011

#### **Certificate II in Electrotechnology (Career Start)**

Are you interested in beginning your career in electrotechnology? This is the course for you. You will learn about electrical safety and the basic skills and knowledge you need to work in any electrotechnology discipline.

### SHORT COURSES AND SPECIFIC SKILL SETS

**TAFE NSW also offers a range of short courses throughout the year focused on key areas relevant to electrotechnology.**

# WHERE CAN I STUDY?

	HUNTER & CENTRAL COAST	ILLAWARRA, SOUTH COAST & SOUTHERN HIGHLANDS	NEW ENGLAND	NORTH COAST	RIVERINA	WESTERN NSW	SYDNEY NORTHERN	SYDNEY CENTRAL & SOUTH	SYDNEY SOUTH WEST	SYDNEY WEST	ONLINE
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## DEGREES, DIPLOMAS AND CERTIFICATES

Associate Degree of Applied Engineering (Renewable Energy) HE20502								■			
Advanced Diploma of Electrical - Engineering UEE62211	■							■	■	■	
Advanced Diploma of Electronics and Communications Engineering UEE62211										■	
Diploma of Electrical Engineering UEE50411	■	■						■	■	■	■
Diploma of Electronics and Communications Engineering UEE50511								■	■	■	
Certificate IV in Electrical - Instrumentation UEE40411	■									■	
Certificate IV in Electrical Equipment and Systems UEE43011-01V03							■				
Certificate IV in Industrial Electronics and Control UEE40911	■			■			■	■	■		
Certificate IV in Electrotechnology - Systems Electrician UEE40611										■	
Certificate III Electrical Fitting UEE33011	■			■			■	■			
Certificate III Electrical Machine Repair UEE30611	■						■				
Certificate III in Air-conditioning and Refrigeration UEE32211	■	■		■				■	■	■	
Certificate III in Computer Systems Equipment UEE30211-01V03				■							
Certificate III in Data and Voice Communications UEE30211-01V03							■				
Certificate III in Electronics and Communications UEE30911				■			■		■	■	
Certificate III in Electrotechnology Electrician UEE30811	■	■		■		■	■	■	■	■	■
Certificate III in ESI - Power Systems - Distribution Overhead UET30612-01V03				■					■		
Certificate III in Instrumentation and Control UEE31211								■			
Certificate III in Security Equipment UEE31411								■			

# WHERE CAN I STUDY?

	HUNTER & CENTRAL COAST	ILLAWARRA, SOUTH COAST & SOUTHERN HIGHLANDS	NEW ENGLAND	NORTH COAST	RIVERINA	WESTERN NSW	SYDNEY NORTHERN	SYDNEY CENTRAL & SOUTH	SYDNEY SOUTH WEST	SYDNEY WEST	ONLINE
Certificate III in Switchgear and Controlgear UEE30711-01V01							■				
Certificate II Computer Assembly and Repair UEE20511							■			■	
Certificate II in Data and Voice Communications UEE20711-01V03							■				
Certificate II in Electrotechnology (Career Start) UEE22011	■			■		■	■	■		■	■
Certificate II in Split Air-conditioning and Heat Pump Systems UEE20111-01V02							■				
Certificate II in Technical Support UEE21711											■

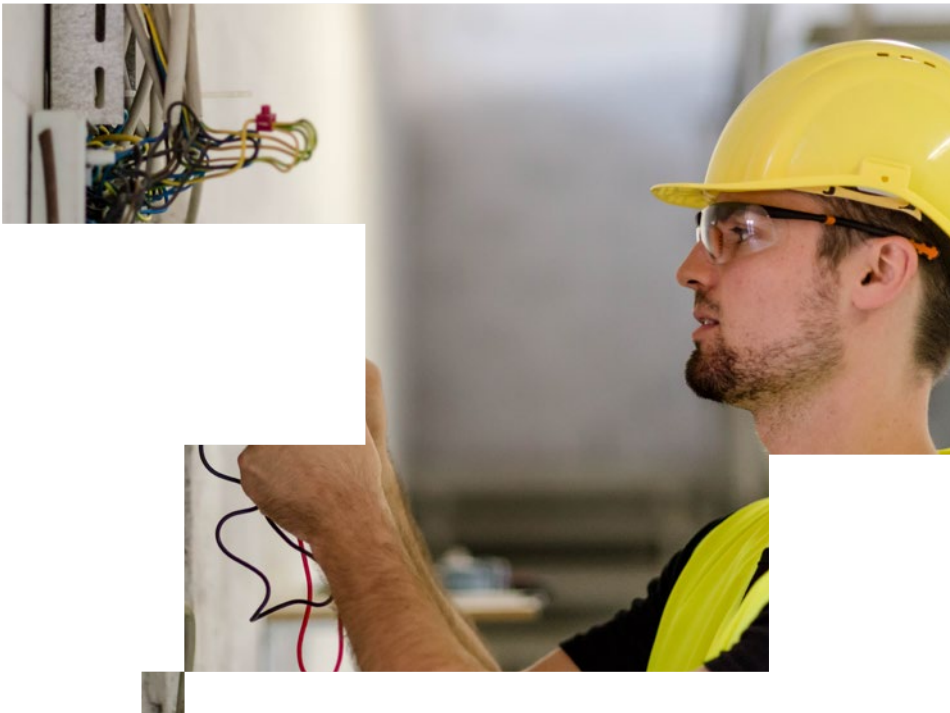
	HUNTER & CENTRAL COAST	ILLAWARRA, SOUTH COAST & SOUTHERN HIGHLANDS	NEW ENGLAND	NORTH COAST	RIVERINA	WESTERN NSW	SYDNEY NORTHERN	SYDNEY CENTRAL & SOUTH	SYDNEY SOUTH WEST	SYDNEY WEST	ONLINE
Instrumentation - Programmable control systems						■					
Refrigeration-Air Conditioning - Service and Repair Hydrocarbon Refrigeration and Air Conditioning				■							
Restricted - Disconnection/reconnection of fixed wired low voltage motors				■			■		■		
Statement of Attainment in Data Communications - ACMA 'Open' Cabling Provider	■							■			
Statement of Attainment in Data Communications - Install and Modify Performance Data Communication Structured Cabling	■										
Statement of Attainment in Electrotechnology Electrician Capstone Reassessment										■	
Statement of Attainment in In-Service Testing of Electrical Equipment										■	
Statement of Attainment in Introduction to Electronics										■	
Statement of Attainment in Introduction to Electronics Workshop and Hand Soldering										■	

## SHORT COURSES AND SPECIFIC SKILL SETS

Instrumentation - Programmable control systems						■					
Refrigeration-Air Conditioning - Service and Repair Hydrocarbon Refrigeration and Air Conditioning				■							
Restricted - Disconnection/reconnection of fixed wired low voltage motors				■			■		■		
Statement of Attainment in Data Communications - ACMA 'Open' Cabling Provider	■							■			
Statement of Attainment in Data Communications - Install and Modify Performance Data Communication Structured Cabling	■										
Statement of Attainment in Electrotechnology Electrician Capstone Reassessment										■	
Statement of Attainment in In-Service Testing of Electrical Equipment										■	
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# WHERE CAN I STUDY?

	HUNTER & CENTRAL COAST	ILLAWARRA, SOUTH COAST & SOUTHERN HIGHLANDS	NEW ENGLAND	NORTH COAST	RIVERINA	WESTERN NSW	SYDNEY NORTHERN	SYDNEY CENTRAL & SOUTH	SYDNEY SOUTH WEST	SYDNEY WEST	ONLINE
Statement of Attainment in Restricted - Attachment of cords and plugs to single phase low voltage electrical equipment	■									■	
Statement of Attainment in Restricted - Disconnection/reconnection of fixed wired low voltage appliances							■			■	
Statement of Attainment in Restricted - Disconnection/reconnection fixed wired low voltage water heaters	■			■			■			■	
Statement of Attainment in Restricted - Disconnection/reconnection of fixed wired low voltage motors	■						■	■		■	
Sustainable - Designer-Installer of Grid Connected Photovoltaic Systems							■				
Sustainable - Installer of Grid Connected Photovoltaic Systems							■				
TAFE Statement in Programmable Logical Controllers - Basic											■
TAFE Statement in Re-Licensing for Electricians											■







## REASONS TO CHOOSE TAFE NSW

- 1 **Be job ready:** with practical skills and work experience
- 2 **Be connected:** with our strong employer connections
- 3 **Be smart with your money:** affordable courses with government funding
- 4 **Be flexible:** study when it suits you - online, at one of our 130 NSW campuses, or in the workplace
- 5 **Be whatever you want to be:** over 1200 courses from Certificates to Degrees

## READY TO BE AMBITIOUS?

**Take the next step and enrol  
at TAFE NSW today.**

Phone 131 601

Email [courses@tafensw.edu.au](mailto:courses@tafensw.edu.au)

Visit [courses.tafensw.edu.au](http://courses.tafensw.edu.au)

### DIDN'T FIND WHAT YOU WERE LOOKING FOR?

TAFE NSW offers over 1200 different courses you can study right across the state or in the comfort of your own home. Call us on 131 601 to discuss what course might be right for you.